GOODWE



User Manual

Smart DataLogger EzLogger3000U&EzLogger3000U-A

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The information in this document is subject to change due to product updates or other reasons. This document cannot replace the product labels or the safety precautions unless otherwise specified. All descriptions in the document are for guidance only.

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01 About This Manual

This document describes the product information, installation, electrical connection, commissioning, troubleshooting, and maintenance. Read through this document before installing and operating the product. All the installers and users have to be familiar with the product features, functions, and safety precautions. This document is subject to update without notice. For more product details and latest documents, please visit <u>https://en.goodwe.com</u>.

1.1 Applicable Model

This document applies to the Smart DataLogger: EzLogger3000U and EzLogger3000U-A (EzLogger for short).

1.2 Target Audience

This document applies to trained and knowledgeable technical professionals only. The technical personnel has to be familiar with the product, local standards, and electric systems.

1.3 Symbol Definition

Different levels of warning messages in this document are defined as follows:

▲ DANGER				
Indicates a high-level hazard that, if not avoided, will result in death or serious injury.				
A WARNING				
Indicates a medium-level hazard that, if not avoided, could result in death or serious injury.				
Indicates a low-level hazard that, if not avoided, could result in minor or moderate injury.				
NOTICE				
Highlight and supplement the texts. Or some skills and methods to solve product-related problems to save time.				

2 Safety Precaution

NOTICE

The equipment is designed and tested strictly in compliance with related safety rules. Read and follow all the safety instructions and cautions before any operations. Improper operation might cause personal injury or property damage as the equipments are electrical equipment.

2.1 General Safety

NOTICE

- The information in this document is subject to change due to product updates or other reasons. This document cannot replace the product labels or the safety precaution unless otherwise specified. All descriptions in the document are for guidance only.
- Before installations, read through this document to learn about the product and the precautions.
- All installations should be performed by trained and knowledgeable technicians who are familiar with local standards and safety regulations.
- Strictly follow the installation, operation, and configuration instructions in this document. The manufacturer shall not be liable for equipment damage or personal injury if you do not follow the instructions. For more warranty details, visit https://www.goodwe.com/support-service/warranty-related.

2.2 Grounding Safety

When installing the equipment, the grounding cable must be installed first; when removing the equipment, the grounding cable must be removed last.

- Connect a PE cable to the nearest grounding point of the equipment.
- Before operation, make sure the device is reliably grounded.

2.3 Personal Safety

A DANGER

- Use insulating tools and wear personal protective equipment (PPE) when operating the equipment to ensure personal safety.
- Do not touch the equipment when it is short-circuited. Keep away from the equipment, and turn off the power immediately.
- Before wiring, disconnect all upstream switches to ensure the device is not powered on.

2.4 Equipment Safety

\Lambda DANGER

Make sure the installation place is solid enough to bear the equipment weight before installation.

- Use appropriate tools for proper installation, maintenance, etc.
- · Observe local standards and safety regulations when operating the equipment.
- Unauthorized disassembly or modification may cause damage to the equipment, which is not covered within the warranty scope.

2.5 Definition of Warning Labels

- All labels and warning marks must be clear and distinct after the installation. Do not block, alter, or damage any label.
- Warning labels on the equipment are as follows.

4	HIGH VOLTAGE HAZARD Power off the equipment before any operations.	<u>.</u>	Potential risks exist. Wear proper PPE before any operations.
	Read through the document before any operations.		Grounding point.
CE	CE marking		Do not dispose of the equipment as household waste. Discard the product in compliance with local laws and regulations, or send it back to the manufacturer.

2.6 Personnel Requirements

NOTICE

- Personnel who install or maintain the equipment must be strictly trained, learn about safety precautions and correct operations.
- Only qualified professionals or trained personnel are allowed to install, operate, maintain, and replace the equipment or parts.

2.7 EU Declaration of Conformity

The equipment without wireless communication modules sold in the European market meets the requirements of the following directives:

- Electromagnetic compatibility Directive 2014/30/EU (EMC)
- Electrical Apparatus Low Voltage Directive 2014/35/EU (LVD)
- Restrictions of Hazardous Substances Directive 2011/65/EU and (EU) 2015/863 (RoHS)
- Waste Electrical and Electronic Equipment 2012/19/EU
- Registration, Evaluation, Authorization and Restriction of Chemicals (EC) No 1907/2006 (REACH)

You can download the EU Declaration of Conformity on: <u>https://en.goodwe.com</u>.

3 Product Introduction

3.1 Functions

EzLogger is an exclusive equipment to connect with the monitoring platform in PV power generation system. It integrates the ports to connect with the inverter, the environmental monitoring instrument (EMI), the MV station and other devices. It owns the functionalities of data logging, log storage, centralized monitoring and maintenance in PV power generation system.

3.2 Networking

EzLogger is applicable to the PV power generation system:

- Via RS485 communication to connect: RS485 devices such as the inverter, and EMI;
- Via Ethernet communication to connect: the router, the switch, PC and power plant monitoring system;
- Via PLC communication to connect: the inverters with PLC functionality.

Networking of Single EzLogger



- A single RS485 communication channel in EzLogger3000U can support a maximum of 20 inverters' connections.
- A single PLC communication channel in EzLogger3000U can support a maximum of 60 inverters' connections.
- An external protection device like breaker or surge protection module is recommended when PLC communication is applied. Recommended specifications:
 - Surge protection module: 1000VAC/20KA
 - Breaker: 1000VAC/32A
- Within the same sub-array, do not mix PLC equipment from different manufacturers. If mixing is required, consult the manufacturer in advance for compatibility verification.

Networking of Multiple EzLoggers



3.3 Parts and Dimension



No.	Silkscreen	Description
1		Grounding point
2	PLC	Port connected for PLC communication
3	Indicator	Indicate the equipment's working status.
4	ETH1~ ETH3	Port connected with the Ethernet cable. ETH3 is reserved.
5	PT100 PT1000	Port connected with the thermo sensor.
6	AI_0-12V 1-2	AI signal input port: 0-12V
7	AI_0-100mV 5-6	AI signal input port: 0-100mV
8	AI_0/4-20mA 3-4/7-8	AI signal input port: 4-20mA
9	12V GND	12V power output port
10	DO 1~ DO 4	DO signal output port
11	DI 1~ DI 8	DI signal input port, to connect to Passive and Active contact signal.
12	RS485 1~ RS485 8	RS485 communication port
13	CAN1~ CAN4	CAN communication port
14	DC IN 24V 1.1A	24V DC power input port
15	DC OUT 24V 0.5A	24V DC power output port
16	RST	Reset button. Long press 6-20S: EzLogger reboots and restores factory default network settings; short press 1-3S: EzLogger reboots
17	USB	U disk connection port for system software version update
18	MicroSD	MicroSD card interface to store EzLogger operation log, operation log and maintenance log information



3.4 Indicators

Silkscreen	Status	Description			
		Steady green: The device is powered on.			
PVVR		Green off: The device power supply is abnormal.			
RUN		Steady green/Green off: The device fails to work.			
		Slow blinking green: The device is working properly.			
		Steady green: Communication between the device and the server is normal.			
NET		Fast blinking green: Communication between the device and the router is normal, but communication between the device and the server fails.			
		Slow blinking green: Communication between the device and the router fails.			
		Steady red: All the connected inverters are in fault status.			
ALM		Fast blinking red: the equipment is being upgraded.			
		Red off: At least one inverter in the system is working properly.			

3.5 Nameplate

The nameplate is for reference only.



4 Check and Storage

4.1 Check before Receiving

Check the following items before receiving the product.

- 1. Check the outer packing box for damage, such as holes, cracks, deformation, and others signs of equipment damage. Do not unpack the package and contact the supplier as soon as possible if any damage is found.
- 2. Check the product model. If the product model is not what you requested, do not unpack the product and contact the supplier.
- 3. Check the deliverables for correct model, complete contents, and intact appearance. Contact the supplier as soon as possible if any damage is found.

4.2 Storage

If the equipment is not to be installed or used immediately, please ensure that the storage environment meets the following requirements:

- 1. Do not unpack the outer package or throw the desiccant away.
- 2. Store the equipment in a clean place. Make sure the temperature and humidity are appropriate and no condensation.
- 3. If the equipment has been long term stored, it should be checked by professionals before being put into use.

4.3 Deliverables

Use the delivered terminals and screws. The manufacturer shall not be liable for the equipment damage if other connectors or terminals are used.



5 Installation

5.1 Installation Requirements

Installation Environment Requirements

- 1. Do not install the equipment in a place near flammable, explosive, or corrosive materials.
- 2. Install the equipment on a surface that is solid enough to bear its weight.
- 3. The place to install the equipment shall be well-ventilated for heat radiation and large enough for operations.
- 4. The equipment with a high ingress protection rating can be installed outdoors. The temperature and humidity at the installation site should be within the appropriate range.
- 5. Do not install the equipment in a place that is easy to touch, especially within children's reach.
- 6. Install the equipment at a height that is convenient for operation and maintenance, electrical connections, and checking indicators and labels.
- 7. Install the equipment away from electromagnetic interference.

Mounting Support Requirements

- The mounting support shall be nonflammable and fireproof.
- Install the equipment on a surface that is solid enough to bear its weight.



Installation Tool Requirements

The following tools are recommended when installing the equipment. Use other auxiliary tools on site if necessary.

Goggles	Safety shoes	Safety gloves	Dust mask	RJ45 crimping tool
Diagonal pliers	Wire stripper	Hammer drill	Heat gun	Crimping tool
Marker	Level	Heat shrink tube	Rubber hammer	Multimeter
		● M3/M4 ● ● M2		
Vacuum cleaner	Cable tie	Torque wrench		

5.2 EzLogger Installation

5.2.1 Wall-Mounting

NOTICE

- Avoid the water pipes and cables buried in the wall when drilling holes.
- Wear goggles and a dust mask to prevent the dust from being inhaled or contacting eyes when drilling holes.

Step 1 Install the mounting plate on EzLogger with M4 screws.

Step 2 Put the EzLogger on the wall horizontally and mark positions for drilling holes.

Step 3 Drill holes to a depth of 30mm with the hammer drill. The diameter of the drill bit should be 8mm. Install the exposition bolts.

Step 4 Tighten the expansion bolts.











5.2.2 Rail-Mounting

NOTICE

- Install the mounting plate of the rail on the EzLogger for rail-mounting.
- The rail shall be installed on a sturdy and stable support.

Step 1 Install the mounting plate on EzLogger with M3 screws.

Step 2 Install the EzLogger onto the rail.



5.2.3 Table-Mounting

The EzLogger supports desktop installation.

- Install the EzLogger on a flat desktop to prevent it from sliding and getting damaged.
- Do not place the EzLogger in locations where cables can be easily accessed, as this may result in signal interruption.

6 Electrical Connection

6.1 Safety Precaution

\Lambda DANGER

- Before wiring, disconnect all upstream switches of the EzLogger to ensure it is not powered on. Do not work with power on. Otherwise, an electric shock may occur.
- All operations, cables and parts specification during the electrical connection shall be in compliance with local laws and regulations.
- If the tension is too large, the cable may be poorly connected. Reserve a certain length of the cable before connecting it to the wiring port of the EzLogger.

NOTICE

- Wear PPE like safety shoes, safety gloves, and insulating gloves during electrical connections.
- All electrical connections should be performed by qualified professionals.
- Cable colors in this document are for reference only. The cable specifications shall meet local laws and regulations.

No.	Cable	Silkscreen	Specification		
1	PE cable		 Outdoor copper cable Conductor cross-sectional area: 4mm²-6mm² (12AWG-10AWG) 		
2	DC output ca- ble (12V/24V)	DC OUT 24V 0.5A / 12V GND			
3	DO signal cable	DO 1-4			
4	DI signal cable	DI 1-8	Armoured copper cable		
5	AI signal cable	AI_0-12V AI_0/4-20mA AI_0-100mV	Conductor cross-sectional area: 0.2mm ² -1.5mm ² (24AWG-16AWG)		
6	PT signal cable	PT100 PT1000			
7	RS485 signal cable	RS485 1-8	Outdoor shielded twisted pair.		
8	CAN signal cable	CAN 1-4	• Conductor cross-sectional area: 0.2mm ² -1.5mm ² (24AWG-16AWG)		
9	Ethernet cable	ETH 1-3	CAT 5E or higher specificationsShielded RJ45 connectors		
10	Three-phase AC cable	PLC	 Delivered with the device. Cable length: 5000mm (196.85in.) Conductor cross-sectional area: 0.75mm²-4mm²(18AWG-11AWG) 		

6.2 Connecting the PE Cable

- Connect the grounding points of the equipment nearer.
- Before operation, make sure the equipment is reliably grounded.
- To improve the corrosion resistance of the terminal, it is recommended to apply silica gel or paint on the grounding terminal after installing the PE cable.

- Use the OT grounding terminals and screws delivered.
- Prepare the PE cable.

Step 1 Strip an appropriate length of insulation from the cable.

Step 2 Crimp the cables to the grounding OT terminals.

Step 3 Wrap the crimping area with insulation tube.

Step 4 Secure the PE cable to the grounding point of the EzLogger with the M4 screw.



6.3 (Optional) Connecting the Three-Phase AC Cable

WARNING

- When the inverter communicates with the EzLogger via PLC, connect the three-phase AC cable to the PLC port on the EzLogger.
- Ensure that the upstream switches are turned off before connecting the three-phase AC cables.

- Multi-core cables are recommended for PLC communication. The maximum communication distance between the inverter and MV station is 600m.
- When single-core cables are used, the three phase cables must be bound 1m apart. The maximum communication distance between the inverter and MV station is 500m.
- The sampling cable between the EzLogger and the busbar of the MV station should not exceed 3 meters.
- The included AC cable length is 5m, if required, you can prepare the extension cable. Recommended extenstion
- cable specification: 0.75-4mm²(18-11AWG).



6.4 Connecting the Ethernet Cable

- ETH1 port is set to dynamic IP mode by default at the factory. It can be connected to a computer, router, switch, and other devices.
- ETH2 port is set to static IP mode by default at the factory, with the default IP address being 172.18.0.12. It can be connected to a computer for EzLogger configuration.
- ETH1 port IP, ETH2 port IP and the default virtual IP cannot share the same networt segment.
- The functionality of ETH3 port is reserved.
- Refer to Section **8.4.1 Setting Port Parameters** for detailed instructions to modify the IP parameters of ETH1 and ETH2 ports.



12345678	

No.	Color
1	White & Orange
2	Orange
3	White & Green
4	Blue
5	White & Blue
6	Green
7	White & Brown
8	Brown

6.5 Connecting the RS485 Signal Cable

NOTICE

- The EzLogger can be connected to RS485 communication devices such as inverters and environmental monitoring instruments via its RS485 port.
- When using shielded twisted-pair cables, the maximum communication distance with external devices is 1000m.
- Make sure to connect the RS485A port and the RS485B port on the EzLogger with the RS485A signal and the RS485B signal respectively of the other communication device.

Silkscreen			Port Definition	Silkscreen		Port Definition	
	1	A	RS485_A1	RS485 (EZIO Module)		Α	RS485_A5
		В	RS485_B1		5	В	RS485_B5
	2	A	RS485_A2		6	Α	RS485_A6
RS485		В	RS485_B2		0	В	RS485_B6
(EzLogger Module)		A	RS485_A3		-	Α	RS485_A7
	5	В	RS485_B3		'	В	RS485_B7
	4	A	RS485_A4			Α	RS485_A8
	4	В	RS485_B4		ð	В	RS485_B8



6.6 Connecting the DO Signal Cable

- The EzLogger DO port supports to connect with passive contact for signal output.
- The DO port of EzLogger supports a maximum signal voltage of 30V/1A. The NC/COM terminal is the normally closed terminal, and the NO/COM terminal is the normally open terminal.
- It is recommended to keep the signal transmission distance within 10 meters.



6.7 Connecting the DI Signal Cable

NOTICE

- The EzLogger supports to connect with passive contact and active contact for signal output. It is recommended to keep the DI signal cable transmission distance within 10 meters.
- It is recommended to keep the DI signal cable transmission distance within 10 meters.

Passive contact

Function	Silkscreen						
DI1	5554	1					
DI2	REFI	2					
DI3	REF2	3					
DI4		4					
DI5	REF3 REF4	5					
DI6		6					
DI7		7					
DI8		8					

Active contact					
Function	Silkscreen				
DI1		1			
DI2	GND	2			
DI3	CND	3			
DI4	GND	4			
DI5	CND	5			
DI6	GND	6			
DI7	CND	7			
DI8	GND	8			



6.8 Connecting the PT Signal Cable

- The EzLogger can be connected with 2-wire or 3-wire PT100/PT1000 thermo sensors.
- When connecting a 2-wire PT100/PT1000 thermo sensor, it is necessary to short-circuit the B1 and B2 ports.

NOTICE

Silkscreen		Port Definition	Silkscreen		Port Definition
	B1	PT100_B1		B1	PT1000_B1
PT100	B2	PT100_B2	PT1000	B2	PT1000_B2
	A1	PT100_A		A2	PT1000_A



6.9 Installing the USB Flash Drive

- Install the USB flash drive into the USB port for software upgrading.
- Contact the after-sales service center to obtain the software upgrading package.
- Prepare a 3.0 interface USB flash drive (FAT32).

6.10 Connecting the CAN Signal Cable

NOTICE

Connect with the relevant devices supporting CAN signal communication.



6.11 Connecting the 24V DC Output Cable

NOTICE

The EzLogger owns a 24V, 0.5A DC output port, which can provide power to other devices.



6.12 Connecting the 12V DC Output Cable

NOTICE

The EzLogger owns a 12V DC output port to provide power to other devices.



6.13 Connecting the Power Adapter

NOTICE

- Connect the power adapter included in the package to the EzLogger's DC input port for power supplying to the EzLogger.
- Power adapter specifications: Input: AC 100V~240V, 50Hz/60Hz; Output: DC 24V, 1.5A.



6.14 Connecting the AI Cable

NOTICE

The EzLogger can receive analog signal over AI ports.

	Silkso	reen	Port Definition			
AT 0 10V		+	Supports 0.12 V input voltage			
	AI_0-12V -		supports 0-12 v input voitage.			
+		+				
	AI_0/4-20MA	-	supports 0-20 mA or 4-20 mA input current.			
	AI 0 100mV	+	Supports 0 100mV input voltage			
	AI_0-100mV	_	Supports o-roomv input voitage.			



7 Equipment Commissioning

7.1 Check before Power On

No.	Checking Item
1	The EzLogger should be securely installed in a location that is easily accessible for operation and maintenance, and the installation environment should be clean and tidy.
2	Ensure that the protective ground wire, DC input wire, DC output wire, and communication wire are connected correctly and securely.
3	Cable ties are intact, routed properly and evenly.
4	The input signal and input power parameters of the EzLogger should be within the operating range of the equipment.

7.2 Power On



Step 1 Insert the power adapter into the AC socket and turn on the switch on the AC socket side.

Step 2 (Optional) When using PLC signal communication, turn off the upstream switch of the three-phase AC input port.

8 System Commissioning

8.1 Indicators and Button

LED Indicators

Silkscreen	Status	Description				
		Steady green: The device is powered on.				
PVVR		Green off: The device power supply is abnormal.				
RUN		Steady green/Green off: The device fails to work.				
		Slow blinking green: The device is working properly.				
		Steady green: Communication between the device and the server is normal.				
NET		Fast blinking green: Communication between the device and the router is normal, but communication between the device and the server fails.				
		Slow blinking green: Communication between the device and the router fails.				
		Steady red: All the connected inverters are in fault status.				
ALM		Fast blinking red: the equipment is being upgraded.				
		Red off: At least one inverter in the system is working properly.				

Button Functionality

RST Button Definition	
Long press 6-20S	EzLogger reboots and restores factory default network settings and login password.
Press 1-3S	EzLogger restarts.

8.2 Introduction of WEB

EzLogger supports equipment-related parameters setting, equipment operation information and error information viewing through the WEB interface, to get to know the system status timely.

WARNING

- WEB software version shown in this document is V1.6.9.15. The screen shots are for reference only. The actual display may differ.
- The name, range, and default value of the parameters are subject to change or adjust. The actual display prevails
- When issuing reset, shutdown and upgrade commands to the inverter, it may happen the inverter not to be connected to the grid and affect the power generation.
- The grid parameters, protection parameters, characteristics parameters and power adjust parameters of the inverter shall be set by professionals. Improper settings may cause the inverter not to be connected to the grid. Wrong settings of power adjust parameters may cause the inverter connected to the grid improperly, thus affecting the power generation.
- To prevent the generating capacity from being influenced by wrong settings, the grid dispatch parameters shall be set by professionals.

Layout



No.	Function Area	Description			
1	Menu List	Area for the menu list. Click the Main Menu and the Sub-Menu will be displayed.			
2	Menu list button	Click to hide or show the menu list.			
3	Tag list	Display the opened menu list.			
4	Common Functions	Display the functions often used, which is easy for operation. Able to be set in the Menu List.			
5	System Status	 Select the system language. Display the alarming information. Click it to check the real-time alarms. Display the version of the product. Display the log in status. Click it to log out. 			
6	Array Data	 Display the corresponding functional items or parameter setting under each menu. Subqueue data: Subqueue power generation, active power, reactive power, etc. Inverter data:Inverter SN, address, communication status, operating status, power generation, etc. Channel status: IEC 104 or Modbus-TCP forwarding status. Data Reporting Status: FTP/SFTP or Email status. MQTT Connection Status:MQTT server connection status. Other device status: Address and communication status of EMIs, MV stations, or other devices. 			

Menu on the Interface

	Main Menu	Welcome To Datalogger Embedded System				2025-04-03 14:49 (Asia/Shanghai) 🔞 EN	∆ ⊜	admin~
	System Overview ×	Basic Infor × Port Setting ×						
ø	Device Maintenance	LAN Configuration Third-party Device Configuration						
	Port Setting	Third Level Menu	election FTH2	2	~			
	Networking Setting	* Acquisition	Method STAT	ric	~			
	Device Access Third-Parties Setting	*15	Address					
	Parameter Setting	* Subr	et Mask					
	Device Upgrade	* Default	Sateway					
	Device Log	Preferred DN Spare DN	S Server					
	Sub Menu			cal area network	• Internet			
6	Historical Data 🛛 🗸			Setting				
\$	System Configuration V							
E	Configuration Active							
		L						

Main Menu	Sub Menu	Third Level Menu	Description		
System Over- view	Basic Information	-	 Basic function settings such as Port Setting, Device Access, Forwarding Service Configuration, System Maintenance. Basic information checking such as Power Generation of Online Device Today, Total Generation, Teal-time Active Power, Real-time Reactive Power, Number Of Online Devices, Number Of Offline Devices, and so on. 		
	Real-time Alarm	-	Total Number Of Fault Alarms, Fault Alarm ID, Fault Alarm Name, Device SN and Generation Time are displayed. Click the Manually Refresh button to refresh the latest alarming list.		

Main Menu	Sub Menu	Third Level Menu	Description		
		LAN Configuration	Set the wired network's parameters. Support to connect with Northbound Gateway devices via wired network.		
	Port Settings	RS485 Third- Parties Configuration	Set RS485 parameters of the equipment. Support to connect with equipments via RS485. The baud rate of the RS485 includes 300, 1200, 2400, 9600, 19200 and 115200.		
	Networking Settings	Inverter Networking	Set the inverters connected with the EzLogger, and set the Modbus address of the inverter.		
	Device Access	-	Add devices.		
		IEC104	Set IEC104 parameters.		
		Modbus-TCP	Set Modbus-TCP parameters.		
	Forwarding Setting	Email	Set Email parameters.		
Device		FTP/SFTP	Set FTP/SFTP parameters.		
Maintenance		Goose	Set Goose parameters.		
	Devementer Catting	Datalogger	Set the parameters of log settings, array capacity, prototype device, PID-IMD, subqueue capacity offset, and so on.		
	Parameter Setting	Inverter	Set the parameters of the inverter such as the grid, protection, feature and power adjusting.		
		MV Station	Set the parameters of the box substation remotely.		
	Device Upgrade	Data Logger	Upgrade the EzLogger.		
		Inverter	Upgrade the inverter.		
		Other	Upgrade the firmware version of MAIN-CCO, CAN- CCO, or CAN-EZIO when HPLC is applied.		
	Device Log	-	Check or export the Operation Log of the equipment.		
	-	Inverter	Check the inverter's parameters.		
Device	-	Weather Station	Check the parameters of the weather station.		
Monitoring	-	MV Station	Check the MV station's parameters.		
	-	IEC104	Check the IEC104 parameters.		
	Historical Faults And Alarms	-	Check the historical faults and alarms.		
Historical Data	Historical Data Export		Export historical data.		
	Power Control Log	-	Check the record of power control.		
	System Maintenance	-	 Reset the EzLogger. Restore factory settings. Import all configuration files. Export all configuration files. 		
System Configuration	System Time	-	Set the way to calibrate the time: by system or manually.		
	Safety Setting	-	Set the safety parameters such as the account and password, and so on.		
	System Debugging		-		
	Version	-	Check the version of the EzLogger.		
Configuration Active	-	-	Saving the parameters.		

8.3 Log In

NOTICE

Before login, ensure that the equipment meets the following requirements:

- Support Windows 7 or above version.
- Browser: Chrome 52, Firefox 58, IE9 or above are recommended.
- The computer's network port is connected to EzLogger's ETH port with a network cable.

Steps

Log in to the web using a default IP address

Step 1 Connect the computer to the ETH2 port of a EzLogger using a network cable.

Step 2 Set the IP addresses of the Ezlogger and the computer in the same network segment.

No.	IP Parameter	Factory Default Value of the EzLogger	Example Value on the Computer
1	IP Address	172.18.0.12	172.18.0.10
2	Subnet Mask	255.255.255.0	255.255.255.0
3	Default Gateway	172.18.0.1	172.18.0.1

Internet Protocol Version 4(TCP/IPv4) Properties						×	
General							
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.							
O Obtain an IP address automatical	у						
• Use the following IP address:						- 1	
IP address:							
Subnet mask:							
Default gateway:							
Obtain DNS server address autom	atically						
• Use the following DNS server addr	esses:					- 1	
Preferred DNS server:							
<u>A</u> lternate DNS server:	.						
Validate settings upon exit				Ad	l <u>v</u> anced.		
	E		OK		Car	ncel	

Step 3 Enter https://172.18.0.12:443 in the address bar of the web browser and press Enter.

Step 4 Select the language according to the actual demanding. Log in with the initial account and password. For first login, a reminder will pop up to prompt you to change the password. After setting the new password, login with the new password.

Log in to the web using a dynamic IP address

Step 1 Connect the EzLogger to a computer using a network cable.

Step 2 Check the IP address assigned to the gateway on the router management page.

Step 3 Enter **https://XXX.XX** in the address bar of the web browser and press Enter. XXX.XX.XX refers to the IP address assigned by the router.

Step 4 Select the language according to the actual demanding. Log in with the initial account and password. For first login, a reminder will pop up to prompt you to change the password. After setting the new password, login with the new password.

- Use the initial password to login. Change the password regularly and keep it in mind.
- Long press the RST button of the EzLogger for 6-20 seconds to restore the initial password if you forgot the password.





GOODWE			
	Reset Password	r Embedded System	
	Please	Cog In Note OurPrivacy.Policy	



8.4 Setting Parameters

8.4.1 Setting the Port Parameters

Set the related parameters, and click "Submit" to finish the setting.

LAN Configuration

GOODWE	Welcome To Datalogger Embedded System	2025-04-03 14:49 (Asia/Shanghai) 🔞 EN	∆ ⊜	admin~
😤 System Overview 🛛 🗸	Basic Infor × Port Setting ×			
Device Maintenance	3 LAN Configuration Third-party Device Configuration			
2 Port Setting				
Networking Setting	Port Selection ETH2 ×			
Device Access	*Acquisition Method STATIC ~			
Third-Parties Setting	* IP Address			
Parameter Setting	* Subnet Mask			
Device Upgrade	* Default Gateway			
Device Log	Preferred DNS Server			
Pevice Monitoring	Spare DNS Server			
🗟 Historical Data 🛛 🗸	local area network o Internet			
🎕 System Configuration 🗸 🗸	C Setting			
Configuration Active				

Parameter	Description
Port Selection	Select based on the actual network port connected to the EzLogger.
Acquisition Method	 Select "STATIC" and manually enter the fixed network parameters. Select "DHCP" and the IP address is obtained and the registration is completed automatically.
IP Address	Set according to the power plant planning. If the IP address is modified, log in with the new IP address.
Subnet Mask	Set according to the actual subnet mask of the LAN which the EzLogger belongs to.
Default Gateway	Set according to the actual gateway of the LAN which the EzLogger belongs to.
Preferred DNS Server	Ignore this parameter when connecting to a LAN. In scenarios where a public network is connected (e.g., connecting to hosted cloud, Email, third-party FTP, etc., with server addresses using domain names), configure it as the IP address of the LAN's router.
Spare DNS Server	Ignore this parameter in common situations. When the preferred DNS server fails to resolve a domain name, use the alternate DNS server.
LAN/Internet	 Select "Internet" if you need to connect to the server and send data to the GoodWe cloud. Select "LAN" if you need to set forwarding parameters to connect to the third monitoring platform and so on.

RS485

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😤 System Overview 🛛 🗸	Basic Infor ×	Port Setting ×					
Device Maintenance	LAN Config	guration 3 Third-party Do	evice Configuration				
Port Setting	Number	RS485 Name	Baud Rate	Data Bit	Stop Bit	Parity Method	Operation
Networking Setting	1	RS485-1	9600	8	1	No Parity	4 Communication Parameter Setting
Device Access	2	RS485-2	9600	8	1	No Parity	Communication Parameter Setting
Third-Parties Setting	3	RS485-3	9600	8	1	No Parity	Communication Parameter Setting
Parameter Setting	4	RS485-4	9600	8	1	No Parity	Communication Parameter Setting
	5	RS485-5	9600	8	1	No Parity	Communication Parameter Setting
Device Upgrade	6	RS485-6	9600	8	1	No Parity	Communication Parameter Setting
Device Log	7	RS485-7	9600	8	1	No Parity	Communication Parameter Setting
Device Monitoring	8	RS485-8	9600	8	1	No Parity	Communication Parameter Setting
🐼 Historical Data 🛛 🗸							
🎕 System Configuration 🛛 🔧							
Configuration Active							

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🗳 System Overview 🛛 🗸	Parameter 🔅	< Device Up	× Third-Parti ×	Networkin $ imes$ Device Mo $ imes$	Device Log \times Device Acc \times			
O Device Maintenance	LAN Confi	guration	_	RS485 Config	uration	×		
Port Setting	Number	R5485 I	5 Name	RS485-1		ן	Parity Method	Operation
Networking Setting	1	RS485-1	Baud Rate	9600	~		No Parity	Communication Parameter Setting -
Device Access	2	RS485-2	Data Rit	0 Dite	 		No Parity	Communication Parameter Setting .
Third-Parties Setting	3	RS485-3	Data bit				No Parity	Communication Parameter Setting -
Parameter Setting	4	RS485-4	Check Method	No Parity	~		No Parity	Communication Parameter Setting -
	5	RS485-5	Stop Bit	1	~		No Parity	Communication Parameter Setting -
Device Upgrade	6	RS485-€)	No Parity	Communication Parameter Setting .
Device Log	7	RS485-7		6 Cancel	Yes		No Parity	Communication Parameter Setting
Device Monitoring	8	RS485-&	_				No Parity	Communication Parameter Setting
🚯 Historical Data 🛛 🗸								
🏟 System Configuration 🛛 🗠								
Configuration Active								

Parameter	Description
Name	Select based on the actual RS485 port the equipment connected to.
Baud Rate	Set according to the baud rate of the connected equipment. Supported values: 300, 1200, 2400, 9600, 19200, and 115200.
Data Bit	Supported values: 7 bits and 8 bits.
Check Method	Set according to the parity check method of the connected equipment. Supported values: Odd Parity, Even Parity, 1 Checksum, 0 Parity, No Parity.
Stop Bit	Set according to the stop bit of the connected equipment. Supported values: 1, 1.5, and 2.

8.4.2 Setting Network

NOTICE

- Ensure that the working status and communication status of the inverter is normal when setting the network.
- Devices in the system could complete networking via HPLC, PLC or RS485. HPLC: controller of EzLogger3000U-A or the in-built EzLogger3000U-A. PLC: controller of EzLogger3000U or in-built EzLogger3000U.
- When communicating via HPLC, note that:
 - The white list function only applies to HPLC. Add the inverters to the white list based on different networking node, like MAIN-CCO or CAN-CCO.
 - To add a new device, just add its SN to the whitelist and click Start Searching. After searching, set its Terminal Address and MV Station Number.
 - Adding a new device to the effective whitelist will not affect or overwrite previously added device.
- When communicating via PLC or RS485, if a new device needs to be added, search device again and set the terminal address of the new device.

Step 1 Enter the Networking setting via **Device Maintenance** > **Networking Setting.** Choose the node that needs networking based on actual needs, and click Start Searching. Supported networking nodes: RS485-1/2/3/4, CAN-CCO, MAIN-CCO.

Step 2 Click Stop Searching when the number of searched devices matches that of the actual number.

Step 3 (Only applicable to HPLC) Click White List to add the white list.

Step 4 (Only applicable to HPLC) Enable **White List** to add the white list. Add the actually used inverter SN of the current networking node to the white list. If there are devices that cannot be searched or need to be added to networking in advance, manually add the device SN to the white list.

Step 5 (Only applicable to HPLC) Click Setting to finish white list setting.

Step 6 (Only applicable to HPLC) Return to the networking setting, choose the networking node and click **Start Searching** again, and devices added to the white list could be searched.

Step 7 Set the terminal address and the MV station number of the device based on actual needs, and make sure the terminal address and the MV station number do not repeat. If there are devices that cannot be searched, click **Manually Add** and input the device SN and the address. Click **Setting** to finish networking setting.





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😤 System Overview 🛛 🗸 👻	Basic Infor × Netwo	orkin ×				
Device Maintenance	GW Device Searching	I.				
Port Setting				6		
Networking Setting	Networking Node Selec	ction MAIN-CCO	Refresh	Start Searching White List		Manually Add Assign Address
Device Access	Number	SN	Terminal Address	MV Station Number	Status	Operate
Third-Parties Setting	1					Delete
Parameter Setting	2					Delete
Device Upgrade						
Device Log						
Pevice Monitoring						
🔂 Historical Data 🛛 🗡						
😰 System Configuration 🛛 🗡						

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📽 System Overview 🛛 🗸	Basic Infor ×	Port Setting × Netw								
Oevice Maintenance	GW Device Sea	urching		White List		×				
Port Setting			Whitelist Enabled Enable	~	Quick Import					
Networking Setting	Networking No	de Selection MAIN-CCO								
Device Access	Number	2	Number	SN		Operate	Status	Ope	rate	
Third-Parties Setting	1			V			ting Successfully	/ De	lete	
Parameter Setting	2						cing Successfully	/ De	lete	
Device Upgrade	3				4		cing Successfully	/ De	lete	
Device Log	4			7			ting Successfully	/ De	lete	
Device Monitoring	5						ting Successfully	/ De	lete	
				No Data Availa	ble					
🐻 Historical Data 🛛 🗠										
🏟 System Configuration 🛛 🗸				Setting						
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					Setting					

08 System Commissioning 🛃

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Device Monitoring
 Historical Data

GOODWE	😇 Welcome To I	Datalogger Embedded Syste	m				2025-04-03 14:49 (Asia/Shanghai) 🕲 EN 🛛 🙆 📕	admin∨
🗳 System Overview 🛛 🗸	Basic Infor ×	Port Setting × Netwo						
Device Maintenance	GW Device S	earching		White List		×		
Port Setting			Whitelist Enabled Enabl	e 🗸 Quick Imp	ort			
Networking Setting	Networking f	Node Selection MAIN-CCO	Number	SN	Operate			
Device Access	Number	SI	Number	л	Operate	Status	Operate	
Third-Parties Setting	1		1		Delete	ding Successf	ully Delete	
Paramotor Sotting	2		2		Delete	cing Successf	ully Delete	
Farameter Setting	3		3		Delete	cing Successf	ully Delete	
Device Upgrade	4		4		Delete	ting Successf		
Device Log			5		Delete			
Device Monitoring	5					cing Successf	'uliy Delete	
🚯 Historical Data 🛛 👋				8 Setting				
🏟 System Configuration 🛛 🔧								
Configuration Active								

GOODWE	Welcome To Datalogger Embedded System	2025-04-03 15:53 (Asia/Shanghai) 🕃 EN 🛆 Θ 🗼 admin~
😤 System Overview 🛛 🗸	Basic Infor × Networkin ×	
♥ Device Maintenance ^	GW Device Searching	
Port Setting	0	
Networking Setting	Networking Node Selection MAIN-CCO V Refresh Start Searching White List	Manually Add Assign Address
Device Access	Number SN Terminal Address MV Station Number	Status Operate
Third-Parties Setting		
Parameter Setting		
Device Upgrade		
Device Log		
Pevice Monitoring		
🐻 Historical Data 🛛 🗸		
😵 System Configuration 🛛 🗡	No Data Available	
Configuration Active		
	Setting	
í se		
GOODWE	Welcome To Datalogger Embedded System	2025-04-03 15:26 (Asia/Shanghai) 🕄 EN 🛕 间 📕 admin~
🐣 System Overview 🛛 🗸	Basic Infor × Networkin ×	
Device Maintenance	GW Device Searching	
Port Setting		
Networking Setting	Networking Node Selection MAIN-CCO Refresh Start Searching White List	Manually Add Assign Address
Device Access	Number SN Terminal Address MV Station Number	Status Operate
Third-Parties Setting	1	Networking Successfully Delete
Parameter Setting	2	Networking Successfully Delete
Device Upgrade	3	Networking Successfully Delete

😡 08 System Commissioning

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GOODWE	💳 Welcome To Datalogger Em	bedded System			2025-04-03 15:26 (Asia/Sh	anghai) 🕲 EN 🛆 😑 📕 admin~
😤 System Overview 🛛 🗸	Basic Infor × Networkin	×				
Device Maintenance ^	GW Device Searching					
Port Setting						
Networking Setting	Networking Node Selection	MAIN-CCO 🗸	Refresh	Start Searching White List		Manually Add Assign Address
Device Access	Number	SN	Terminal Address	MV Station Number	Status	Operate
Third-Parties Setting	1		3	2	Networking Successfully	Delete
Parameter Setting	2		4	2	Networking Successfully	Delete
Device Upgrade	3		5	2	Networking Successfully	Delete
Device Log						
Pevice Monitoring						
🐻 Historical Data 🛛 🗸						
📽 System Configuration 🛛 🗡						
Configuration Active						
				Setting		

8.4.3 Adding Devices

NOTICE

- EzLogger supports importing access point tables and forwarding point tables of third-party devices like meters or EMIs. It is recommended to import all the point tables of meters, EMIs, and other devices connected to the EzLogger before adding devices.
- Contact the after-sales service to obtain the device access point table and forwarding point table.
- When the communication method is the same, some inverter models support mixing connection. The actual situation prevails.
- When adding devices, contact the after-sales if you need to configure parameters in **Advanced Setting**.

Step 1 Click **Device Maintenance** > **Device Access** to add devices.

Step 2 Enter the information based on actual situation.

If required, click Advanced Settings to change the device name.

System Overview V	Device Acc ×								
Device Maintenance	3 Batch Import	Access Point Table	Batch Import Forwarding Poi	nt Table				4 Add De	avice Advanced Setting
Port Setting	Number	Device Name	Device Type	Device Model	Communication Port	Communication Protocol	IEC104 Forwarding Table	Modbus TCP Forwarding Table	Operate
2 Networking Setting Device Access	1								Edit Delete
Third-Parties Setting	2								Edit Delete
Parameter Setting					Setting				
Device Upgrade Fault Recording									
Device Log									
Device Monitoring									
o Historical Data 🗸 🗸									
🎕 System Configuration 🗸 🗸									
Configuration Active									

GOODWE	😇 Welcome T	😑 Welcome To Datalogger Embedded System 2025-07-03 16:37 (Please select a time zone) 🚯 EN 🛆 😁 📕 admin 🗸						
🗳 System Overview 🛛 🗸								
O Device Maintenance	Batch Impor	t Access Point Table	-	Add Device		×	Add De	vice Advanced Setting
Port Setting	Number	Device Name	5 * Device Name	Please enter a device name		104 Forwarding	Modbus TCP Forwarding Table	Operate
Networking Setting	1		* Device Type	Inverter	~	225_IEC104_inverter.m	HT225.modbustcp	Edit Delete
Third-Parties Setting	2		* Communication Protocol	Modbus-RTU	~		Tx.modbustcp	Edit Delete
Parameter Setting			* Communication Port	RS485-1	~			
Device Upgrade			* IEC104 Forwarding	Yes O No				
Fault Recording			* Modbustcp Forwarding	🔿 Yes 🔹 No				
Device Log				2				
Historical Data				Advanced Setting Cancel Yes				
🏟 System Configuration 🛛 🗠								
Configuration Active								

Adding Inverters

Parameter	Description					
Device Name	Supports to define device names based on the actual situation.					
Device Type	Select "Inverter".					
Device Subtype	elect the connected inverter series. Support: HT225/250 or UT320/350.					
Communication Protocol	Set based on the communication protocol of the inverter. Support: Modbus-RTU.					
When the Communication situation:	on Protocol is Modbus-RTU, set the following parameters based on actual					
Fast Acquisiton Mode	Only applicable to HPLC/PLC scenarios, contact after-sales service for more details.					
Communication Interface	 Select based on the actual port on the EzLogger the device is connected to. RS485-1~RS485-4: Select the actual connected port when the inverter's RS485 port is connected to RS485 1-4 ports of the EzLogger. CAN-EZIO: Select CAN-EZIO when the inverter's RS485 port is connected to RS485 5-8 ports of the EzLogger. CAN-CCO/MAIN-CCO: Select CAN-CCO/MAIN-CCO based on actual situation when the inverter is connected to the PLC port in a dual-split scenario. 					
Terminal Address	Refers to the device address of the inverter. Set according to the actual power plant planning.					
Device ID	Displayed when selecting the CAN-EZIO communication interface. Set according to the actual EzLogger port the device connected to.					
MV Station Number	Displayed when selecting the CAN-CCO communication interface. Set according to the actual MV station number.					
IEC104 Forwarding	Select based on the imported device forwarding point table.					
Modbus-TCP Forwarding	Select based on the imported device forwarding point table.					
Query Interval						
Frame Response Timeout In Milliseconds	The parameters are under "Advanced Setting". Contact after-sales service center for configuration if needed.					
Transmit Response Timeout In Milliseconds						
Number Of Retries After Response Timeout						

Adding Other Devices

Parameter	Description
Device Name	Supports to define the device names based on the actual situation.
Device Type	Select "Other Device".
Communication Protocol	Select based on the communication protocol of the device. Support Modbus-RTU, and GW-XPH.
When the Communication situation:	on Protocol is Modbus-RTU, set the following parameters based on actual
Communication Interface	Select based on the actual port the EzLogger connected to. When the RS485 port of the other device is connected to RS485 5-8 ports of the EzLogger, select CAN-EZIO.
Device Model	 Set the device subtype. Support: EMI, MV station. If you need to add an EMI, manually click Add environmental monitoring instrument, and input EMI address and the point table.
MV Station Subtype	When selecting the device subtype as MV station, set the MV station subtype as general or split-type.
Terminal Address	Device address. Set the parameter based on the actual power plant planning. Supports: rapid continuous input or manual interval input.
Device ID	Displayed when selecting the CAN-EZIO communication interface. Set according to the actual EzLogger port the device connected to.
Agreement Type	Select protocol type used by the device based on the device.

Parameter	Description				
Access Point Table	Input the access point table of the connected device.				
IEC104 Forwarding	Select based on the imported device forwarding point table.				
Modbus-TCP Forwarding	Select based on the imported device forwarding point table.				
MV Station Power Mapping	Select based on the imported remote MV station power mapping point table.				
When the Communication	on Protocol is GW-XPH, set the following parameters based on actual situation:				
Communication Interface	Select based on the actual port the EzLogger connected to.				
Terminal Address	Device address. Set the parameter based on the actual power plant planning.				
Add EMI	If you need to add an EMI, manually click Add environmental monitoring instrument , and input EMI address and the point table.				
IEC104 Forwarding	Select based on the imported device forwarding point table.				
Modbus-TCP Forwarding	Select based on the imported device forwarding point table.				
When the Communication	on Protocol is 104 master, set the following parameters based on actual situation:				
Local IP Address	Set the IP address of the Ethernet port of the EzLogger.				
Local Port	Suggested to be set as 0.				
Remote IP	Set the IP address of the remote device collected via 104 master protocol.				
Remote Port	Set the port number of the remote device collected via 104 master protocol.				
Remote Public Address	Set the 104 public address of the remote device collected via 104 master protocol.				
Source Address	Set the 104 source address of the EzLogger.				
Access Point Table	Set the 104 protocol point table applied by the remote device.				
IEC 104 Forwarding	The EzLogger forwards 104 address mapping table applied by the remote device data.				
Modbustcp Forwarding	The EzLogger forwards modbustcp address mapping table applied by the remote device data.				
MV Station Power Map- ping	Set the power data mapping table of the remote device.				

Step 3: (Optional) After completing the parameter settings, click **Edit** or **Delete** to modify parameters or delete devices.

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😤 System Overview 🛛 🗸	Networking	× Device Access ×							
Device Maintenance	Batch Impor	t Access Point Table	Batch Import Forwar	ding Point Table					Add Device
Port Setting	Number	Device Name	Device Type	Device Subtype	Communication Port	Communication Protocol	IEC104 Forwarding Table	Modbus TCP Forwarding Table	Operate
Networking Settings	1								Edit Delete
Device Access									
Forwarding Setting					Submit				
Parameter Setting									
Device Upgrade									
Device Log									
Pevice Monitoring									
Nistorical Data V									
🏩 System Configuration 🛛 🗸									

Step 4 Click Submit after completing the settings.

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😁 System Overview 🛛 🗸	Networking ×	Device Access ×							
Device Maintenance	Batch Import.	Access Point Table	Batch Import Forward	ing Point Table					Add Device
Port Setting	Number	Device Name	Device Type	Device Subtype	Communication Port	Communication Protocol	IEC104 Forwarding Table	Modbus TCP Forwarding Table	Operate
Networking Settings	1								Edit Delete
Forwarding Setting					Submit				
Parameter Setting									
Device Upgrade									
Device Log									
Pevice Monitoring									
Nistorical Data V									

Step 4 Click Configuration Active to complete the configurations.

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🐣 System Overview 🛛 🗸	Basic Inform × Configuratio ×		
Device Maintenance	Configuration Take Effect		Take Effect
Pevice Monitoring			
Historical Data			
System Configuration Configuration Active			

8.4.4 Setting Inverter Parameters

NOTICE

- The parameters to be set vary with the inverter type. The actual interface prevails.
- Enter 0 or 1 to enable or disable a function. Except Island Mode: 0 indicates disable the function, and 1 indicates enable the function. Island Mode: 1 indicates disable the function, and 0 indicates enable the function.

	GOODWE	💳 Welcome To Datalogger Em	Welcome To Datalogger Embedded System					Select A Time Zon	e) 🕄 EN 🧥 🗐	admin ~
1	System Overview Device Maintenance	Networking × Datalogger	MV Static	on						
	Port Setting	4 evice Type UT320/350 ~	Grid	Parameter Setting	Protection Parar	neter Setting C	Characteristic Parameter Se	tting Power A	djustment Parameter S	tingebug Special
	Networking Settings		5	Number	Parameter Name	Register Address	s Modified Value	Range ⑦	Gain	Unit [®]
	Device Access			1	Safety code	42500	0	[0,65535]	1	
	Forwarding Setting		-	2	Grid Type	41335	0	[0,1]	1	
2	Parameter Setting			3	1.1 times overload function	42006	0	[0,1]	1	
	Device Upgrade		J	4	Grid fault recovery automatic startup	42029	0	[0,1]	1	
ē	Device Log Device Monitoring			5	Fault condition Grid connection waiting time	42537	0	[30, 30000]	1	s
E.	Historical Data ~			6	Fault condition lowerer limit of connection voltage	42540	0	[800,1400]	10	%Vn
					Fault condition					

Grid Parameters

Parameter	Description
Safety Code	Select based on the grid standards of the country/region where the inverter is located and its application scenario.
Grid Type	Set whether the inverter's output includes the neutral (N) cable based on its application scenario. 0: three-phase four wire (3W/PE); 1: three phase five wire (3W/N/PE)
1.1 Times Overload Function	The inverter outputs overload power after enabling this function.
Normal condition Grid connection waiting time	The waiting time for connecting the inverter to the grid when meeting the following requirements.1. The inverter is powered on for the first connection.2. The utility grid voltage and frequency meet certain requirements.
Normal condition upper limit of connec-tion volt- age	The inverter cannot connect to the grid if it is powered on for the first connection and the grid voltage is higher than the Normal condition upper limit of connection volt-age.
Normal condition lower limit of connec-tion volt- age	The inverter cannot connect to the grid if it is powered on for the firstconnection and the grid voltage is lower than Normal condition lower limit of connec-tion volt-age.
Normal condition upper limit of connec-tion fre- quency	The inverter cannot connect to the grid if it is powered on for the first connection and the grid frequency is higher than Normal condition upper limit of connection fre- quency
Normal condition lower limit of connec-tion fre- quency	The inverter cannot connect to the grid if it is powered on for the first connection and the grid frequency is lower than the Normal condition lower limit of connection fre- quency.

Parameter	Description
Voltage of Enter the curve (0.1%)	Set the trigger voltage value for reactive power compensation according to the (cos -P) curve.
Voltage of quit the curve(0.1%)	Set the exit voltage value for reactive power compensation according to the (cos -P) curve.
Fault condition Grid connection waiting time	Set the waiting time for the inverter to restart after a grid failure is restored.
Fault condition lowerer	In some countries/regions, when the inverter is shut down due to a fault protection,
limit of connection	the inverter is not allowed to reconnect to the grid if the grid voltage exceeds the set
voltage	value of the Reconnect Grid-connected Voltage Upper Limit.
Fault condition upper	In some countries/regions, when the inverter is shut down due to a fault protection, it
limit of connection	is not allowed to reconnect to the grid if the grid voltage is lower than the set value of
voltage	the Reconnect Grid-connected Voltage Lower Limit.
Fault condition lowerer	In some countries/regions, when the inverter is shut down due to a fault protection,
limit of connection	the inverter is not allowed to reconnect to the grid if the grid frequency is higher than
frequency	the set value of the Reconnection Grid Frequency Upper Limit.
Fault condition upper	In some countries/regions, when the inverter is shut down due to a fault protection,
limit of connection	the inverter is not allowed to reconnect to the grid, if the grid frequency is lower than
frequency	the set value of the Reconnection Grid Frequency Lower Limit.

Protection Parameters

Parameter	Description
ISO Threshold	To protect the equipment, the inverter performs an insulation impedance check on the input side during self-check at startup. If the measured value is lower than the set value, the inverter will not connect to the grid.
Voltage unbalance protection point	Set the inverter protection threshold when the grid voltage is unbalanced.
Phase Angle offset protection	The standards of certain countries and regions require that the inverter needs to be protected when the phase angle offset of the power grid three phases exceeds a certain value.
10min overvoltage trigger value (0.1%)	Set the 10-min overvoltage protection threshold.
10min trigger trip time	Set the 10-min overvoltage protection duration.
Overvoltage Trigger n Order Value (0.1%)	Set the Level n overvoltage protection threshold.
Overvoltage Triggers n Order Trip time	Set the Level n overvoltage protection duration.
Undervoltage Trigger n Order Value (0.1%)	Set the Level n undervoltage protection threshold.
Undervoltage Trigger n Order Trip Time	Set the Level n undervoltage protection duration.
Overfrequency Trigger n Order Value	Set the level n overfrequency protection threshold.
Overfrequency Trigger n Order Trip Time	Set the level n overfrequency protection duration.
Underfrequency Trigger n Order Value	Set the level n underfrequency protection threshold.
Underfrequency Trigger n Order Trip Time	Set the level n overfrequency protection duration.

Feature Parameters

Parameter	Description
Shadow Mppt Function 1	PV strings may exist significant shading in PV systems where the inverter is applied. Enabling this feature, allows the inverter to perform a global MPPT scan at regular intervals to find the maximum power point.
Shadow Scan Period	Set the intervals for MPPT scanning. Able to be set after enabling the "Shadow Mppt FunctionSwitch 1".
Leakage Current Optimization Mode	RCD refers to the residual current from the inverter to the ground. To ensure the safety of equipment and personnel, the RCD value shall be lower than the value specified by the standards. When the inverter is externally installed with an AC switch that has residual current detection function, enable this feature, to reduce the residual current generated by the inverter during operation and prevent unintended operation of the AC switch.
Night Reactive Power Switch	In certain application scenarios, grid companies may require the inverter to provide reactive power compensation during the night, to ensure the power factor of the local grid meets the requirements.
Pid Night Protection Function Switch	The inverter outputs reactive power at night. With PID night protection function enabled, the inverter will automatically shut down when it detects that the PID module voltage compensation is abnormal.
Terminal Voltage Control Switch	When the short-circuit capacity of the grid or the installed capacity of the power plant is less than 3, excessive grid impedance can affect the grid quality and may cause the inverter to malfunction. In such cases, if the inverter needs to operate normally, this parameter should be enabled.
Harmonic Optimization Mode	Enable this feature, and it will optimize the output current harmonics of the inverter.
Panel Type	Set the type of PV panels.
Pid Prevent Function Switch	Enable or disable the PID prevent function.
Pid Repair Function Switch	Enable or disable the PID repair function.
Communication Disconnect Switch	According to the standards or requirements of some countries/regions, the inverter must be shut down when the communication fails for more than a certain time.
Communication Disconnection Recovery Settings	Enable the Communication Disconnect Switch , the inverter will automatically shut down when the inverter communication break reaches Communication Disconnection Recovery Settings .
Start-Up Active Power Adjustment Rate	Set the rate of power change when the inverter is started up.
Shutdown Active Power Regulation Rate	Set the rate of power change when the inverter is shut down.
Afci Detection Switch	It is required that inverters shall own DC arc detection function by the North American standards.
Power Off Command Hold	According to the standard requirements of some countries/regions, the inverter is still in the command shutdown state when it is shutdown and powered on again.
Maximum Active Power	Set the upper limit of the maximum active power.
Total Power Generation	Set the initial value of the inverter's power generation. In scenarios where the inverter is replaced, set the initial value of the new inverter's power generation to the total power generation of the original inverter, to ensure the continuous accumulation of power generation.

Parameter	Description
LVRT Enable	 Low voltage ride-through (LVRT) refers to the situation, when the grid experiences a short-term low voltage abnormality, the inverter cannot immediately disconnect from the grid and has to work for a period of time. Enable this feature, the inverter's LVRT is being activated.
The Judgment Threshold	Set the threshold for triggering LVRT. The threshold settings should meet the local
Of Entering LVRT	grid standard.
LVRT Positive Sequence Reactive K Value	During LVRT, the inverter needs to generate positive sequence reactive power to support the grid. This parameter is used to set the positive-sequence reactive power generated by the inverter. For example, If the Low Wear Positive Sequence Reactive Power K Value is set to 2, the increment of positive-sequence reactive current generated by the inverter is 20% of the rated current when the AC voltage decreases by 10% during LVRT. If the value is set to 0, the increment of positive-sequence reactive current generated by the inverter remains at 0, regardless of the AC voltage decreases during LVRT.
LVRT Negative Sequence Reactive K Value	During LVRT, the inverter needs to generate negative sequence reactive power to support the grid. This parameter is used to set the negative-sequence reactive power generated by the inverter. For example, if the Low Wear-Through Sequence Reactive Power K Value is set to 2, the increment of negative-sequence reactive current generated by the inverter is 20% of the rated current when the AC voltage decreases by 10% during LVRT. If the value is set to 0, the increment of negative-sequence reactive current generated by the inverter remains at 0, regardless of the AC voltage decreases during LVRT.
LVRT Positive Reactive Power Current Limit Percent	During LVRT, the inverter needs to limit the reactive current. For example, if the LVRT Positive Reactive Power Current Limit Percent is set to 50, the upper limit of the inverter's reactive current is 50% of the rated current during LVRT.
LVRT Null-Current Mode Enter Voltage Limit	If the grid voltage is less than LVRT Null-Current Mode Enter Voltage Limit during LVRT, the zero current mode will be used.
Current Distribution Mode	Set the LVRT mode. Available options include zero current mode, constant current mode, reactive power priority mode, and active power priority mode.
HVRT Enable	 The High Voltage Ride-Through (HVRT) refers to the situation, when the grid voltage is abnormally high for a short time, the inverter cannot disconnect from the grid immediately and has to work for some time. Enable this feature, the inverter's HVRT is being activated.
The Judgment Threshold Of Entering HVRT	Set the threshold for triggering HVRT. The threshold settings should meet the local grid standard.
HVRT Positive Sequence Reactive K Value	During HVRT, the inverter needs to generate positive sequence reactive power to support the grid. This parameter is used to set the positive-sequence reactive power generated by the inverter. For example, If the High Wear Positive Sequence Reactive Power K Value is set to 2, the increment of positive-sequence reactive current generated by the inverter is 20% of the rated current, when the AC voltage increases by 10% during HVRT.
HVRT Negative Sequence Reactive K Value	Similarly, during HVRT, the inverter needs to generate negative sequence reactive power to support the grid. This parameter is used to set the negative-sequence reactive power generated by the inverter. For example, If the High Negative Sequence Reactive Power K Value is set to 2, the increment of negative-sequence reactive current generated by the inverter is 20% of the rated current, when the AC voltage increases by 10% during HVRT.
The Judgment Threshold Of Quiting LVRT	Set the threshold for existing LVRT. The threshold settings should meet the local grid standard.

Parameter	Description				
Ride Through End Active Power Recover Speed	The Active Power Recovery Rate At The End Of Crossing parameter determines the rate at which the active power current recovers to its pre-crossing value during the fault ride-through recovery process.				
LVRT Null-Current Mode Enable	Certain countries and regions have requirements on the output current during LVRT. In this case, set this parameter to Enable. After the setting, the output current is less than 10% of the rated current during LVRT.				
Island Mode	Set whether to enable the island protection function.				
Pu Curve Enable	Set the P-U curve according to the standard requirements of certain countries/ regions.				
Qu Curve Enable	Set the Q-U curve according to the standard requirements of certain countries/ regions.				
Frequency Shift Protect Threshold Value	Enable this function to protect the inverter when the grid frequency changes too fast.				
Frequency Shift Protect Threshold Value	Set the frequency change protection threshold.				
Frequency Shift Protect Time	Set the frequency change protection duration.				

Power Regulation Parameters

Parameter	Description			
Active Power Control Method	The standards and regulations of some countries and regions require to enable Active Power Control Method to control the active power output.			
Maximum Apparent Power	Set the output upper threshold for the maximum apparent power.			
Active Power Gradient	Set the change speed of the inverter's active power.			
Active Power Fixed Value Derating	Adjust the active power output of the inverter by fixed value.			
Active Power Percentage Derating(0.1%)	Adjust the active power output of the inverter by percentage.			
Reactive Power Gradient	Set the change speed of the inverter's reactive power.			
Reactive Power Compensation(Pf)	Set the power factor of the inverter.			
Reactive Power Compensation(Q/S)	Set the reactive power output from the inverter.			
Night Reactive Power Compensation Percentage Derating	During the reactive power compensation at night, the reactive power is scheduled by percentage.			
Night Reactive Power Switch	In certain application scenarios, grid companies may require the inverter to provide reactive power compensation during the night, to ensure the power factor of the local grid meets the requirements.			
Night Reactive Power Parameters Enable	Enable this parameter, the inverter outputs reactive power based on the setting value of Night Reactive Power Compensation Fixed Value . Otherwise, the inverter executes the remote scheduling command.			
Night Reactive Power Compensation Fixed Value	During the reactive power compensation at night, the reactive power is scheduled by fixed value.			
Over Frequency Point	The standards of certain countries and regions require that the output active power of inverters be derated when the power grid frequency exceeds a certain value.			

Parameter	Description
Hysteresis Frequency Point	Set the frequency threshold for exiting over-frequency derating.
P(F) Power Slope (Slope)	Set the decreasing speed of the overfrequency derating.
Recover Power Slope	Set the recovering speed of the overfrequency derating.
Primary Fm Curve Enable	Enable Primary Fm Curve Enable to adjust the active power and ensure the proper working of the inverter when the grid frequency is unstable.
P(F) Curve Eable	Enable P(F) curve when it is required by local grid standards and requirements.
Under Frequency Point	Set the frequency threshold of underfrequency rise power.
Recover Power Slope	Set the recovery rate of underfrequency rise power.
Hysteresis Frequency Point	Set the exit frequency of underfrequency rise powe.
Active Control Adjust	The percentage of the inverter maximum active power output to the rated power. For example, when the Active Control Adjust is set to 10, the reactive power output is 10%*rated power.
PF Reactive Power Adjust	Set the reactive power output of the inverter.
Reactive Power Adjust (Percentage Adjust)	The percentage of the inverter reactive power output to the rated power. For example, when the Reactive Power Adjust is set to 10, the reactive power output is 10%*rated power.
Frequency-Power Curve	Enable or disable the Frequency-Power Curve.
Derating Reference Power Mode	Adjust the inverter output power based on apparent active power, rated active power, etc.
PU Curve Enable	Enable PU curve when it is required by local grid standards and requirements.
Voltage3(0.1%)	The percentage of actual voltage to the rated voltage at V3 point
Voltage4(0.1%)	The percentage of actual voltage to the rated voltage at V4 point
Recovery Slope (0.1%)	The percentage of inverter active power to the apparent power at V4 point

8.4.5 Setting the MV Station's Parameters

- NOTICE
 Ensure that the communcation status of the MV station is normal before setting the parameters.
- MV station control needs to be completed by the professionals. Please refrain from changing arbitrarily.

GOODWE	\Xi Welcome To Datalogger Embedded System 2023-08-31 02-40 (Please Select A Time Zone) 🛈 EN 🛆 🕲 🙀 adm					
System Overview Device Maintenance	Parameter S × Networking Datalogger Inverter	Device Access Configuration × Forwarding × Device Uppr.	× of the MV station.			
Networking Settings	Number	Parameter Name	Remote Control Point Number	Operate		
Device Access	1	Reset signal	3	Remote Control		
Forwarding Setting	2	Remote control opening of 1QF	4	Remote Control		
2 Parameter Setting	3	Remote control closing of 1QF	5	Remote Control		
Device Upgrade	4	Remote control opening of 2QF(reserved)	6	Remote Control		
Device Log	5	Remote control closing of 2QF(reserved)	7	Remote Control		
Device Monitoring	6	Remote control opening of high-voltage circuit breake	8	Remote Control		
	7	Remote control closing of high-voltage circuit breake	9	Remote Control		
Historical Data						
🏫 System Configuration 🗠						
Configuration Active						

8.4.6 Setting the EzLogger's Parameters

Step 1: Follow below steps to set the EzLogger's parameters.

GOODWE	🚍 Welcome To Datalogger Embedded System 2025-07-03 16:41 (Please select a time zone) 🔕 EN 🔬 Θ 📙						
😤 System Overview 🛛 🗸	Parameter ×						
Device Maintenance ^	Datalogger Inverter M	/ Station					
Port Setting	4	Number	Name	Value	Unit		
Networking Setting	Operating Log Setting	1	Log File Number		Unit		
Device Access	Array Capacity	2	Log File Size		м		
Third-Parties Setting	Prototype Setting			5 Cathler			
2 Parameter Setting	PID-IMD Setting			Setting			
Device Upgrade	Subqueue offset value						
Fault Recording	North Protect						
Device Log						_	
Pevice Monitoring							
🕤 Historical Data 🛛 🗸 🕹							
🏫 System Configuration 🛛 👋							
Configuration Active							

Tab	Parameter	Description		
Operating Log	Log File Size	Set the size and quantity of log files to be stored according to the		
Settings	Number Of Log Files	actual demanding.		
Aarray Capacity	Aarray Capacity	Set according to the actual array capacity.		
Prototype Capacity	Modbus Address	After enabling, input device address of the prototype. This device can serve as a standard reference and does not accept any power scheduling.		

Tab	Parameter Description			
	IMD Status	When the datalogger is connected to the MV station, the IMD function needs to be enabled because the PID function of the inverter and the IMD function of the station are mutually exclusive.		
	Access Port	The IMD connects to the DO port of the datalogger. Select the port based on the actual connection.		
PID-IMD Setting	PID&IMD Switch Cycle	 Set the operation duration for PID or IMD. After the set time expires, the system switches between PID and IMD. For example: If set to 60min, PID runs for 60 minutes, then switches to IMD for 60 minutes, and IMD switches to PID after running for 60 minutes. 		
	PID&IMD Switch Protection Duration	 Set the protection duration during the switch between PID and IMD. For example: If set to 5s, after the PID cycle ends, the system waits 5 seconds before switching to IMD. 		
Subqueue Capacity Offset	Subqueue Capacity Offset Value	 When photovoltaic panels are partially shaded or the actual PV string power input is insufficient, adjust the offset value based on the actual subqueue capacity to ensure balanced power distribution among inverters. For example: A subqueue has 10 inverters (320kW each) with a total capacity of 3200kW, but the actual connected capacity is 3000kW, then the offset is -200kW. After setting the Subqueue Capacity Offset, click Parameter Setting > Inverter > Power Adjustment Parameter > Actual Installed Capacity and set the value based on acual connected capacity. Caution: Incorrect settings may affect power generation. Contact the after-sales service center if assistance is needed. 		
	Link Protection Function Switch	Enable the funciton, if northbound communication is interrupted, the device will execute the preset action plan.		
North Protect	Protected Link Node Number	Select the communication link to be protected. Support: IEC 104 and Modbus-TCP.		
	Control Strategy Selection	 After communication disconnection, the protection strategy will be executed. Support: No action Shutdown Output preset values QU mode QP mode 		

8.4.7 Setting Forwarding Parameters

8.4.7.1 Setting IEC104 Parameters

Set IEC104 parameters when EzLogger is connected to a management system via the IEC104 protocol.



Parameter	Description
Channel Name	Supports to define device names based on the actual situation.
Local IP	Refers to the IP address of the EzLogger.
Local Port	Refers to the port number of the EzLogger.
Remote IP	Refers to the IP address of the IEC104 management system.
Remote Port	Refers to the port number of the IEC104 management system. Fill "0" when the con- tralateral port number is not fixed.
Point Table Selection	Select the imported device point table. the forwarding point table can be mapped while setting. Select according to the actual situation.
ASDU Address	Refers to the address of the IEC104 management system.
Time Calibration	Set time calibration or not based on actual needs.

8.4.7.2 Setting the Modbus-TCP Parameters

Set Modbus-TCP parameters when EzLogger is connected to a management system via the Modbus-TCP protocol.

Step 1: Follow below steps to set the Modbus-TCP parameters.

	GOODWE	💳 Welcome	😇 Welcome To Datalogger Embedded System 2023-08-31 03:23 (Please Select A Time Zone) 🕲 EN 🛆 Θ 🕠 admir							admin ~	
*	System Overview ~	Networking	Forwarding ×	Email	FTP GOC	SE					
Ľ	Device Maintenance										4
	Networking Settings										Add Channel
	Device Access	Number	Channel Name	Local IP	Loc	al Port	Master IP	Master Port	Modbus Address	Operate	
Ľ	Forwarding Setting						Ť				
	Parameter Setting							4			
	Device Log					Ţ					
ē	Device Monitoring						No Data Available	e			
6	Historical Data ~						Submit				
¢	System Configuration ~										

GOODWE	Welcome To Datalogger Embedded System					Fime Zone) 🔞 EN 🛛 🧴	😑 📕 admi	in 🔨
😪 System Overview 🗸 🗸	Networking × Forwarding	. ×						
Device Maintenance	IEC104	6	New Channel		×			
Port Setting		* Channel Name	Please Enter A Name				Add Ch	annel
Networking Settings	Number	* Local IP	Please Select	~		hun Addrosa Opor	ata	
Device Access	Number	* Local Port				bus Address Oper		
Forwarding Setting		* Master IP						
Parameter Setting		* Master Port						
Device Upgrade		* Point Table Selection	Please Choose	~				
Device Log		Datalogger Modbus-Tcp	0 Mod	bus-Tcp				
Device Monitoring		6						
🐻 Historical Data 🛛 🗸			Cancel Confirm					
🎕 System Configuration 🗸 🗸			Submit					

Parameter	Description
Channel Name	Supports to define device names based on the actual situation.
Local IP	Refers to the IP address of the EzLogger.
Local Port	Set it as the port number of EzLogger. The default value is "502".
Master IP	Set it as the IP address of the Modbus-TCP management system.
Master Port	Set it as the port number of the Modbus-TCP management system.
Point Table Selection	Select the imported device point table.
Modbus Address	Refers to the Modbus-TCP management system address.

8.4.7.3 Setting the Email Parameters

EzLogger supports sending email notifications to users, providing information about power generation, alarms, and equipment status of the power plant system.

Step 1: Follow below steps to set the email parameters.

	GOODWE	💳 Welcon	ne To Datalogger E	mbedded System					2023-08-	31 03:28 (Please Sele	ect A Time Zone)	🕄 EN 🥼 🖨	admin~
S	System Overview 🛛 🗡	Forwardin	×										
1	Device Maintenance ^	IEC104	Modbus-TCF	3 Email	SFTP GOOS	E							
	Port Setting											4	Add Channel
	Networking Settings											C	
	Device Access	Number	SMTP Server Address	SMTP Server Port	Username	Password	Sending Address	Receiving Address	Enable Report	Reporting Mode	Reporting Cycle	File Mode	Operation
2	Forwarding Setting							18					
	Parameter Setting												
	Device Upgrade												
	Device Log							7					
ē	Device Monitoring												
6	Historical Data \checkmark						No Dat	a Available					
¢	System Configuration Y						S	ubmit					
8	Configuration Active												

	😇 Welcome To Datalogger Embe	2023-08-31 03:2	8 (Please Sele		D EN 🛆 🤤) 🛃 admin~		
🗳 System Overview 🛛 🗡	Forwardin ×	Crea	te New Channel	×				
O Device Maintenance	IEC104 M	SMTP Server Address	Please Enter The SMTP Server Address					
		* Enable Ssl	Select	~				
		* SMTP Server Port						Add Channel
	SM Number 2	* Username	Please Enter User Name		ting	Reporting Cycle	File Mode	Operation
		* Password	Please Enter Password					
		* Sending Address	Please Enter The Sending Address					
		* Receiving Address	Please Enter The Receiving Address					
		* Enable Report	Select	~				
Device Monitoring		* Reporting Mode	Select	~				
🕏 Historical Data 🛛 🗸		* File Mode	Select	\sim				
🗟 System Configuration 🛛 👋		6	Cancel Yes					
Configuration Active								

Parameter	Description
SMTP Server Address	Set the domain name or IP address of the SMTP server.
Enable SSL	Set whether to enable the SSL encryption.
SMTP Server Port	Set the port number of the SMTP server for email sending.
Username	Set the user name to log into the SMTP server.
Password	Set the password to log into the SMTP server.
Sending Address	Set the sending email's address.
Receiving Address	Set the receiving email's address.
Enable Report	Set whether to send the emails.
	• Set the email reporting mode. Currently supports: "Cycle" or "Timing".
Reporting Mode	• When set as "Cycle", set the interval of the reporting cycle.
	When set as "Timing", set the interval of the reporting timing.
File Mede	Select the mode for the equipment data in the emails. Currently supports "Inverter
	Data".

Device Monitorin

Configuration Active

8.4.7.4 Setting the FTP/SFTP Parameters

The FTP/SFTP function is primarily used to connect to the third-party network management. EzLogger can report the configuration information and operational data of the managed power plant system via FTP/SFTP. The EzLogger can be connected to the third-party network management after it is configured correspondingly.

Step 1: Follow below steps to set the FTP/SFTP parameters.

GOODWE	Welcome To Datalogger Embedded System	2025-04-03 14:56 (Asia/Shanghai) 🕲 EN 🛆 😑 📙 admin~
System Overview 🛛 🗸	Basic Infor X Networkin X Device Acc X Third-Parti X	
Device Maintenance	IEC104 Modbus-TCP Email GOOSE	
Port Setting		4
Networking Setting		Add Channel
Device Access	Number FTP Server Address Username Password Remote Catalogue Enable Report Reporting M	ode Reporting Cycle File Mode Operate
2 Third-Parties Setting		
Parameter Setting		
Device Upgrade		
Device Log		
Pevice Monitoring		
🏹 Historical Data 🛛 🗠	No Data Available	
😭 System Configuration 🛛 🗠	Setting	
Configuration Active	_	
	The Walnut & Davland School of Care	
GOODWE	wercome to baratogger embedded system	
🗳 System Overview 🛛 🗸	Basic Infor X Networkin X Device Acc X Third-Parti X	
O Device Maintenance	IEC104 Modbus-T Create New Channel	×
Port Setting		
Networking Setting	* FIP Server Address Prease enter FIP server address	Add Channel
Device Access	Number FTP St	oorting Cycle File Mode Operate
Third-Parties Setting	* Username Prease enter user name	
Parameter Setting	Password Please enter password	
Device Upgrade	* Kemote Catalogue Prease enter the remote catalogue	

* Reporting Mode Please select whether report or not.

Cancel 6 Yes

* File Mode Please select file mode

* Upload Time Select * Is It Compressed Select

GOODWE	Welcome 1	To Datalogger Embeddeo	d System				2023-08-31 03:40 (Please Select A Time Zo	one) 🕲 EN 🛛 🗴	
🐣 System Overview 🛛 🗸	Forwardin	×								
Device Maintenance	IEC104	Modbus-TCP Em	ail SFTP	GOOSE						
Port Setting										Add Channel
Networking Settings										
Device Access	Number	FTP Server Address	Username	Password	Remote Catalogue	Enable Report	Reporting Mode	Reporting Cycle	File Mode	Operate
Forwarding Setting										Test
Parameter Setting	1			1	/	IND	Cycle		Inverter Data	Edit Delete
Device Upgrade										
Device Log					SL	IDMIT				
Device Monitoring										
🔂 Historical Data 🛛 🗸										
📽 System Configuration 🛛 🗡										

Parameter	Description				
FTP Server Address	Set the domain name or IP address of the FTP server.				
Username	Set the user name to log into the FTP server.				
Password	Set the password to log into the FTP server.				
Remote Directory	Create a subdirectory with the same name under the default directory specified by				
	the FTP server, where the data will be uploaded.				
Whether To Report	Set whether allows data reporting.				
Reporting Mode	Set the mode for data reporting, currently supporting "Cycle" or "Timing".				
	• Set the email reporting mode. Currently supports: "Cycle" or "Timing".				
Reporting Mode	• When set as "Cycle", set the interval of the reporting cycle.				
	• When set as "Timing", set the duration of the reporting timing.				
File Mode	Set the type of data to be reported in the file. Options include "Inverter Data" .				

8.4.7.5 Setting GOOSE Parameters

Set GOOSE parameters when EzLogger is connected to the third monitoring system platform via the GOOSE protocol. Consult the after-sales service for the specific parameter configuration.

Step 1: Follow below steps to set the parameters. The screenshot is for reference only. The actual parameters prevail.

	GOODWE	\Xi Welcome To Datalogger Embedded System 2023-08-31 03:24 (Please Select A Time Zone) (2) EN 🛆 Θ 😡 admin ~
~~	System Overview 🛛 🗸	Networking × Forwarding ×
1	Device Maintenance	IEC104 Modbus-TCP Email FTP GOOSE
	Port Setting	GOOSE DI Configuration 4 Dispatching Manufacturer Disable
	Networking Settings	Number Nam Select the Dispatching Manufacturer based on y Reconfigure Configuration Network Interface
2	Device Access	actual needs. The default selection is Disable.
	Forwarding Setting	Currently supports: NR Stable, NR ELECTRIC
	Parameter Setting	
	Device Upgrade	No Data
	Device Log	
ē	Device Monitoring	GOOSE DI Configuration Dual Network Or Not Add Delete
6	Historical Data ~	Data Configuration Network . Operation ID Gocb Quote GolD Data Configuration Network . Operation
¢	System Configuration V	

9 Maintenance

9.1 Routine Maintenance

🚹 DANGER

When operating and maintaining the EzLogger, please ensure that the device is powered off. Operating the equipment while it is energized may result in equipment damage or electrical shock hazards.

Maintaining Item	Maintaining Method	Maintaining Period
System cleaning	Check for any foreign objects or dust in the air intake/exhaust vents.	Once 6 months or once a year
Electrical Connection	Check whether the cables are securely connected. Check whether the cables are broken or whether there is any exposed copper core.	Once 6 months or once a year
Environmental inspection	Check for the presence of high electromagnetic interference devices or heat sources around the EzLogger.	Once 6 months or once a year

9.2 System Maintenance (WEB)

9.2.1 Upgrading

Upgrading via USB flash drive (only for EzLogger)

Step 1 Obtain the upgrading package from after-sales service and prepare a FAT32 USB flash drive (≤32G). **Step 2** Create a new folder named **collector** in the root directory of the USB flash drive. Put the upgrade folder into the collector folder.

Step 3 Insert the USB flash drive into the USB port of the EzLogger. The fault indicator turns to fast blinking after the EzLogger detects the update package and starts upgrading. If the fault indicator does not blink fast, check whether the upgrade package and USB flash drive are in proper state. The fault indicator turns to steady on or off after upgrading.

Step 4 The EzLogger will restart automatically after upgrading.

Upgrading via WEB

Step 1 Obtain the upgrading package from after-sales service.

Step 2 Keep the upgrading package on Local Disk of the computer and follow the steps below.

Step 3 The web will automatically turn to the login page after the upgrading.

Upgrading EzLogger

GOODWE	Welcome To Datalogger Embedded System		2025-04-03 15:31 (Asia/Shanghai) 🔞 EN	_	admin~
👻 System Overview 🛛 🗸 👻	Basic Infor × Parameter × Device U	p × Third-Parti × Networkin ×			
Device Maintenance	Jata Logger Inverter Other				
Port Setting	6 Emmunera Backage Solartion	5 Imaget Eirmunge Perform			
Networking Setting	Printware Fackage Selection		9		
Device Access	4 Number	Device SN	Current Version		
Third-Parties Setting	1				
Parameter Setting					
2 Device Upgrade					
Device Log					
Device Monitoring					
🏹 Historical Data 🛛 🗸					
🏟 System Configuration 🛛 🗸					
Configuration Active					

₩ 09 Maintenance

Upgrading Inverter

- Do not use Broadcast Upgrade if different inverters are mix connected.
- Ensure that the communication between the EzLogger and the inverter is normal.
 Transparent messages from the master station will be blocked during inverter upgrades.

GOODWE	. Welcome To Datalogger Ember	dded System	2023-08-31 03:27	Please Select A Time Zone) 🔞 EN 🛛 🕻	🛆 🗐 📕 admin ~
😚 System Overview 🛛 🗸	Networking × Device Upgr ×				
Device Maintenance	Data Logger	Dther			
Port Setting	Device Type UT320/350	ARM Firmware	V Omware Package Sel	ection Please Choose ~	
Networking Settings	Import Firmware Package	9 🛃 Start Upgrading	Scheduled Upgrade Select St	art Upgrading or S	Scheduled
Device Access			Upgra	de based on actua	l needs.
Forwarding Setting	8 Number Devic	e Subtype Device SN	Current ARM Version	ARM Transmission Progress	Status
Parameter Setting	1				
2 Device Upgrade	2				
Device Log	3				
P Device Monitoring					
Nistorical Data V	Tick a sir	nale device or multi dev	vices to be upgrade	d.	
🏫 System Configuration 🛛 🗸		igie defice el mater de	need to be apgrade		I
GOODWE	🚎 Welcome To Datalogger Embe	dded System	2023-08-31 03:28	(Please Select A Time Zone) 🕲 EN 🕠	🛆 🗐 🙀 admin ~
	Welcome To Datalogger Embe	dded System Scheduled Upgrad	2023-08-31 03:28 e	(Please Select A Time Zone) ③ EN 。	🛆 🖻 📕 admin ~
GOODWE	Welcome To Datalogger Embe	dded System Scheduled Upgrad	2023-08-31 03-28 e)3:28:20	(Please Select A Time Zone) ③ EN 4	🛆 😑 🔛 admin 🗠
COODWE System Overview Device Maintenance	Welcome To Datalogger Embe V Device Type UT320/350 ARM Upgrade Sequence 1	dded System Scheduled Upgrad	2023-08-31 03:28 e 33:28:20 Broadcast Upgrade : Firmware Package Please Choose	(Please Select A Time Zone) @ EN X	▲ 🕲 📕 admin ∽
GOODWE System Overview Verview Port Setting	Welcome To Datalogger Embe Device Type UT320/350 ARM Upgrade Sequence 1 DSP Upgrade Sequence 2	dded System Scheduled Upgrad Comme Setting © 2023-08-31	2023-08-31 03 28 e 33 28:20 Broadcast Upgrade Firmware Package Please Choose Firmware Package Please Choose	(Please Select A Time Zone) ③ EN X	
GOODWE System Overview System Overview Device Maintenance Port Setting Networking Settings	Welcome To Datalogger Embe UT320/350 ARM Upgrade Sequence DSP Upgrade Sequence CPL D. Upgrade Sequence	dded System Scheduled Upgrad Comme Setting © 2023-08-31 Selec Selec	2023-08-31.03-28 e 33-28-20 Broadcast Upgrad Firmware Package Please Choose Firmware Package Please Choose	(Please Select A Time Zone) ③ EN ×	▲ ③ ▲ admin ~
CONCINE System Overview System Overview Overview Overview Device Maintenance Overview Device Maintenance Device Access Device Access Device Access	Welcome To Datalogger Ember N Device Type UT320/350 ARM Upgrade Sequence 1 DSP Upgrade Sequence 2 CPLD Upgrade Sequence 3	dded System Scheduled Upgrad Comme Setting Comme Setting Comme Setting Comme Setting Selec	2023-08-31 03:28 e 33:28:20 Broadcast Upgrad Firmware Package Please Choose Firmware Package Please Choose Firmware Package Please Choose	(Please Select A Time Zone) EN X X	A
COCODINC System Overview System Overview Port Setting Networking Settings Device Access Forwarding Setting	Welcome To Datalogger Embe UT320/350 ARM Upgrade Sequence DSP Upgrade Sequence CPLD Upgrade Sequence	dded System Scheduled Upgrad Comparison Selection C	2023-08-31 03 28 e 33:28:20 Broadcast Upgrade Firmware Package Please Choose Firmware Package Please Choose Firmware Package Please Choose evice SN	(Please Select A Time Zone) © EN	▲ ② Admin ~ Status
GOODINE System Overview System Overview Oevice Maintenance Oevice Maintenance Oevice Access Device Access Forwarding Setting Parameter Setting Device Access	Welcome To Datalogger Embe V V V V V V C CPLD Upgrade Sequence CP	dded System Scheduled Upgrad Control	2023-08-31 03 28 e 33 28-20 Broadcast Upgrade Firmware Package Please Choose	(Please Select A Time Zone) ③ EN ×	▲ ●
GOODINE System Overview System Overview Oevice Maintenance Oevice Maintenance Oevice Access Forwarding Setting Oevice Access Forwarding Setting Oevice Upgrade Device Log	Welcome To Datalogger Embe V Device Type UT320/350 ARM Upgrade Sequence DSP Upgrade Sequence CPLD Upgrade Sequence	dded System Scheduled Upgrad Control	2023-08-31.03-28 e 33-28-20 Broadcast Upgrad Firmware Package Please Choose Firmware Package Please Choose Firmware Package Please Choose Evice SN	(Please Select A Time Zone) S EN	▲ ② → admin ~ Status
GOODDWE System Overview System Overview Oevice Maintenance Port Setting Port Setting Networking Settings Device Access Forwarding Setting Parameter Setting Device Upgrade Device Log	Welcome To Datalogger Embe UT320/350 ARM Upgrade Sequence DSP Upgrade Sequence CPLD Upgrade Sequence CPLD Upgrade Sequence 1 2 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	dded System Scheduled Upgrad Comme Setting © 2023-08-31 Selec Selec Selec Selec D	2023-08-31 03 28 e 33:28:20 Broadcast Upgrade Firmware Package Please Choose Firmware Package Please Choose Firmware Package Please Choose evice SN	(Please Select A Time Zone) S EN	▲ ● ↓ admin ~ Status ● ↓ ↓
 System Overview System Overview Oevice Maintenance Port Setting Port Setting Networking Settings Device Access Forwarding Setting Parameter Setting Device Upgrade Device Log Device Monitoring 	Welcome To Datalogger Ember V Device Type UT320/350 ARM Upgrade Sequence DSP Upgrade Sequence CPLD Upgrade Sequence CPLD Upgrade Sequence V U U U U U U U U U U U U U U U U U U	dded System Scheduled Upgrad Control	2023-08-31 03 28 e 33.28:20 Broadcast Upgrade Firmware Package Please Choose Firmware Package Please Choose Firmware Package Please Choose	(Please Select A Time Zone) C EN	▲ ● → admin ~ Status
GOODDACE System Overview System Overview Oevice Maintenance Oevice Maintenance Oevice Access Oevice Access Oevice Access Oevice Access Oevice Access Oevice Cupgrade Oevice Upgrade Oevice Log Oevice Log Oevice Monitoring Oevice Monitoring	Welcome To Datalogger Ember V Cervice Type UT320/350 ARM Upgrade Sequence DSP Upgrade Sequence CPLD Upgrade Sequence CPLD Upgrade Sequence V Number 1 2 3 4 5	dded System Scheduled Upgrad Control	2023-08-31 03:28	(Please Select A Time Zone)	▲ ●

Upgrading Other Device

- Upgrades the firmware version of MAIN-HPLC, CAN-HPLC or CAN-EZIO when HPLC is used.
 Obtain the firmware package from the after sales service.

GOODWE	😇 Welcome To Datalogger Embedde	ed System			2025-04-03 15:31 (Asia/Shanghai) 🔞 EN	∆ ⊜	admin~
😁 System Overview 🛛 🗸	Basic Infor \times Parameter \times	Device Up × Third-Parti	\times Networkin \times				
Device Maintenance	Data Logger Inverter	Other					Î
Port Setting	4	Firmware Package Selection	on Select V	5 Import Firmware Package	8 Start Upgrading		
Networking Setting					,		
Device Access	Number	Device Name C	urrent CCO Version Number	Current HPLC Version Number	CCO Transmission Progress	Status	
Third-Parties Setting	□ 1	CAN-CCO					
Parameter Setting							
2 Device Upgrade							
Device Log							
Pevice Monitoring							
🐻 Historical Data 🛛 🗸							
🏟 System Configuration 🛛 🗠							
Configuration Active							

9.2.2 Maintaining the EzLogger System

Step 1: Maintain the EzLogger system as in following steps.

GOODWE	Welcome To Datalogger Embedded System	2025-07-03 16:43 (Please select a time zone) 🔞 EN	∆ ⊜	admin~
😤 System Overview 🛛 🗸 🗸	System Ma ×			
Device Maintenance	3			
Device Monitoring	Reset Logger			Reset
Historical Data ~	Restore Factory Setting		R	estore
System Configuration ^	Data Clearing			Clear
2 System Maintenance System Time	Import All Configuration Files			nport
Safety Setting	Export All Configuration Files		E	xport
Version				
Configuration Active				

Parameter	Description
Reset Logger	Perform a system reset, and the EzLogger will automatically shut down and restart. The cache data, such as imported firmware packages will be cleared.
Restore Factory Settings	 Restore Factory Settings: clear device access information, forwarding information, login password. Communication Configuration: restore network settings. Data Collection: clear logs, historical alarms, historical data.
Data Clearing	Clear all EzLogger data including historical records, temporary files, and operational logs, then reboot EzLogger.
Import All Configuration Files	 After replacing the EzLogger, import the previously exported configuration file from the local storage to the new EzLogger. Once the import is successful, the EzLogger will restart, and the configuration file will take effect. Confirm that the device parameters are correctly configured. Only for EzLogger with the same version.
Export All Configuration Files	 Before replacing the EzLogger, export the configuration file to the local storage. Only for EzLogger with the same version.

9.2.3 Set System Time

• Modifying the date and time will affect the integrity of the system's power generation and performance data records. Please refrain from changing the time zone and system time arbitrarily.

NOTICE

• When setting the clock source as IEC104 or Modbus TCP, enable **Time Calibration** in **Third-Parties Setting**.

Step 1: Set the system time according to the following operation.

GOODWE	Welcome To Datalogger Embedded System	2023-08-31 03:35 (Please Select A Time Zone) 🕲 EN 🛆 Θ 😡 admin ~
😤 System Overview 🛛 🗸	Basic Inform × System Time × System Time	
♥ Device Maintenance ∨		
Device Monitoring	3 Time Zone	(UTC+09:00) Tokyo ~
Historical Data ~	Date	2023-08-31
System Configuration	Time	© 03.36:16
System Maintenance	Clock Source	Goodwe Cloud Platform Tim V
Safety Setting	Most Recent Time	1970-01-01 00:00:00
System Debugging		4 Кеер
Version		
Configuration Active		

Parameter	Description
Time Zone	The never stars can be medified when Menuel Cynchronization is calested as Clerk
Date	The parameters can be modified when Manual Synchronization is selected as Clock
Time	Source.
Clask Course	Set the clock source. Supported: NTP, IEC104, Modbus-TCP, Manual Synchronization, Good-
Clock Source	we Cloud Platform Time Synchronization.

9.3 Power Off

ADANGER

- Power off the equipment before operations and maintenance. Otherwise, the equipment may be damaged or electric shocks may occur.
- Delayed discharge. Wait for a minimum of 60 seconds until the components are discharged after power off.

(Optional) Step 1 When using PLC signal communication, turn off the upstream switch of the PLC cable connected the EzLogger.

Step 2 Unplug the power adapter from the socket.

9.4 Removing the EzLogger

- Ensure the equipment is powered off.
- Wear PPEs during operation.

Step 1 Disconnect all electrical connections of the equipment, including DC cables, communication cables, and protective ground wires.

Step 2 Remove the equipment.

Step 3 Store the equipment properly. If the equipment will be used again in the future, ensure that the storage conditions meet the requirements.

9.5 Disposing of the EzLogger

If the equipment cannot work any more, dispose of it according to the local disposal requirements for electrical equipment waste. Do not dispose of it as household waste.

9.6 Troubleshooting

Perform troubleshooting according to the following methods. Contact the after-sales service if these methods do not work.

Collect the information below before contacting the after-sales service, so that the problems can be solved quickly.

- 1. Equipment information like serial number, software version, installation date, fault time, fault frequency, etc.
- 2. Installation environment. It is recommended to provide some photos and videos to assist in analyzing the problem.
- 3. Utility grid situation.

No.	Fault	Cause	Solutions
1	The equipment is not able to power on.	 The power input port of the equipment is not securely connected. The power adapter is not securely connected to the socket. The power adapter is malfunctioning. Equipment malfunction. 	 Reconnect the power input ports. Reconnect the power adapter to the socket. Replace the power adapter. If the problem persists, contact your distributor or after-sales service center.
2	ETH communication abnormal	 Ethernet cable is not properly connected. Failed IP address communication between the EzLooger and other equipments connected via Ethernet cable. Switch or router abnormal. ETH port damaged. Equipment malfunction. 	 Reconnect the Ethernet cable. Double-check and set the equipment's IP address to establish successful communication. Replace the switch or router. Connect the network cable to another ETH port. If the problem persists, contact your distributor or after-sales service center.
3	RS485 communication abnormal	 RS485 wiring abnormal. RS485 communication parameter setting abnormal. Equipment malfunction. 	 Check if the cable connections are correct and secure. Recheck and set the RS485 communication parameters. If the problem persists, contact your distributor or after-sales service center.
4	HPLC/PLC communication abnormal	 HPLC/PLC wiring abnormal. HPLC/PLC communication parameter setting abnormal. Equipment malfunction. 	 Ensure that the HPLC/PLC cables are properly connected and the switches are closed correctly. Check if the modbus address or MV station number is correct. Check if the HPLC/PLC communication mode is set correctly, including the equipment ID. Check the HPLC/PLC version of the equipment. Contact your distributor or after-sales service center. If the problem persists, contact your distributor or after-sales service center.
5	The web shows the device as Offline or Online but fails to refresh data.	 The device is offline for a long time Device power switch, program issues, wiring problems 	 Check whether the MV station number and device RS485 address are correctly configured. Check whether all communication link are on. Check if the inverters have failed. Check whether the inverters' ARM version meet the requirements. If the problem persists, contact your distributor or after-sales service center.
6	Failed to log in to the embedded web.	 Incorrect IP address or port information Incompatibility between old and new software versions 	 Check network configuration, ensure the IP address is in the same subnet and the same local area network. Clear browser cache. Log in via https://XXX:443. Check IP address and port information. Restart the device. If the problem persists, contact your distributor or after-sales service center.

₩ 09 Maintenance

No.	Fault	Cause	Solutions
7	Inverter not detected in HPLC/PLC network	 Incorrect device wiring EzLogger model mismatch Outdated inverter software version 	 Check device wiring status. Verify host/slave HPLC & PLC versions Validate EzLogger model and communication method. Confirm network status.
8	Discrepancy between actual power generation and web display	Inverter time setting error	Log in to the web and perform time calibration. Or use the dedicated APP to configure the inverter time.
9	MQTT connection status abnormal on web	No connection to router or MQTT server	 If the server rejected connection, verify the router's internet connectivity. If server connection failed: check MQTT configuration parameters (server IP, port, username, password). confirm that "Internet" is selected in LAN settings.

10 Technical Parameters

Technical Parameters	EzLogger3000U	EzLogger3000U-A
Device Management		
Max. Number of Connected Devices	200	200
Electrical		
AC Power Supply	100~240V, 50/60Hz	100~240V, 50/60Hz
DC Power Supply	24V	24V
Power Consumption (W)	≤27	≤27
Communication Interface		
LAN	2	2
PLC	1*PLC	1*HPLC
RS485	COM×8	COM×8
Digital/Analog Input/Output	DI×8, DO×4, AI×8	DI×8, DO×4, AI×8
PT100/PT1000	PT100×2, PT1000×2	PT100×2, PT1000×2
Active DO	12V, 100mA	12V, 100mA
Communication Protocol		
Ethernet	Modbus-TCP, IEC 60870-5-104	Modbus-TCP, IEC 60870-5-104
RS485	Modbus-RTU, IEC 60870-5-103 (standard), DL / T645	Modbus-RTU, IEC 60870-5-103 (standard). DL / T645
User Interface		
LED	LED×4	LED×4
WEB	Embedded Web	Embedded Web
USB	USB 2.0 x 1	USB 2.0 x 1
Mechanical	•	
Dimensions (W×H×D mm)	430*44*161	430*44*161
Weight (kg)	1.2	1.2
Installation Method	Wall Mounting, DIN Rail Mounting, Tabletop Mounting	Wall Mounting, DIN Rail Mounting, Tabletop Mounting
Environment	· · · · · · · · · · · · · · · · · · ·	
Operating Temperature Range (°C)	-30 ~ +60	-30 ~ +60
Storage Temperature Range (°C)	-40 ~ +70	-40 ~ +70
Relative Humidity	5~95%	5~95%
Max. Operating Altitude (m)	5000	5000
Ingress Protection Rating	IP20	IP20

11 Appendix

11.1 FAQ

11.1.1 How to check the communicaiton status of the inverter?

Method I

Login the web and check **Status** under **Inverter Data**. if the **Status** is **Online**, the inverter communiation status is normal.

GOODWE	Welcome To Datalogger Embedded System					2025-04-03 14	:49 (Asia/Shanghai)	🕲 EN 🔥	admin~
😤 System Overview 🛛 🔿	Basic Infor ×								
Basic Information	Common Functions								
Real-Time Alarm	Port Setting	Device Access		2	'hird-Parties Set	ting	<	System M	aintenance
♥ Device Maintenance ∨									
Pevice Monitoring	Array Data	Inverter Data	Channel Status	Data Report	ing Status	MQTT Conr	ection Status	Other De	evice Status
Historical Data 🗸	0.000 kWh Daily power generation of online device	Number	SN	Address	Status	Inverter Work Status	Daily Power Generation(k Wh)	Active Power(kW)	Reactive Power(kVar)
System Configuration V	0.000 kWh Total Generation	Ť.		1	Online	Fault	0.000	0.000	0.000
Configuration Active	-	2		2	Online	Fault	0.000	0.000	0.000
	0.000 kw	3		3	Online	Fault	0.000	0.000	0.000
r i	Real-Time Active Power	4		4	Online	Fault	0.000	0.000	0.000
	0.000 kvar	5		5	Online	Fault	0.000	0.000	0.000
	0.000 kvar Real-Time Reactive Power 5 Unit Number Of Online Devices 0 Unit Number Of Offline Devices								

Method II

Login the web and search for specific inverter on the **Device Monitoring** page. If the inverter can be found, the inverter communiation status is normal.

GOODWE	- Welcor	ne To Datalogger Embedded System		2023-08-31 03:29 (Please Select A Time Zon	e) 🕲 EN 🧥 🖲 🙀 admin 🗠
🐣 System Overview 🗸 🗸	Networking	× Device Mont × Weather Station MV Station	IEC104		
Device Maintenance V					
P Device Monitoring	Inverter List	∽ Sear	ch		
	Number	Parameter Name	Register Address	Numerical Value	Unit
Nistorical Data	1				1
😫 System Configuration V	2				V
Configuration Active	3				А
	4				V
	5				А
	6				V
	7				A
	8				V
	9				A
	10				V
	11				А
	12				Υ.

Method III

Click **Device Maintenance > Parameter Setting > Inverter** to enter the inverter parameter setting. If the inverter parameters can be checked and set, the inverter communiation status is normal.

GOODWE	💳 Welcome To Datalogger Embe			2023-08-31 03:26 (Plea	se Select A Time Zone) 🕲 EN 🥼 🖲	admin ~		
😤 System Overview 🛛 🗸	Networking × Parameter S × Datalogger Inverter M	IV Station							
Device Maintenance									
Port Setting	Device Type UT320/350 V	Grid P	arameter Setting	Protection Parar	neter Setting C	Characteristic Parameter	Setting Power Ac	ljustment Parameter S	attingeoug Special
Networking Settings			Number	Parameter Name	Register Address	s Modified Value	Range ⑦	Gain	Unit ⑦
Device Access			1	Safety code	42500	0	[0,65535]	1	
Forwarding Setting			2	Grid Type	41335	0	[0,1]	1	
			3	1.1 times overload function	42006	0	[0,1]	1	
Device Upgrade			4	Grid fault recovery automatic startup	42029	0	[0,1]	1	
Device Log			5	Fault condition Grid connection waiting time	42537	0	[30, 30000]	1	5
Historical Data × System Configuration ×			6	Fault condition lowerer limit of connection voltage	42540	0	[800,1400]	10	%Vn
				Fault condition					

11.1.2 How To Set Or Export Fault Recording

Manual recording

Step 1: Tap **Device Maintenance > Fault Recording** to set the recording function.

- **Step 2:** Tick the devices that need to be recorded.
- **Step 3:** Set the parameters related to manual recording.

Step 4: Click Export to export the records if required.

• Automatic recording

Step 1 Enable Automatic trigger recording.

Step 2 Click **Export** to export the records if required.

GOODWE	\Xi Welco	ome To Datalogger Em	bedded System			2025-07-03 16:42 (Please select a time zone) 🔞	EN 🛆 🗐 📕 admin~
System Overview V	Fault Reco	or ×					
Device Maintenance	4-ault Log	J Type Select	~ _ DS	P Type Selection Main DSP	V File Type Select	 File Number 	Setting
Port Setting	Automat	ic trigger recording)				
Networking Setting	3	Number	Device Model	Device SN	Transferred Quantity	Current File Progress	Operate
Device Access		1					Export
Third-Parties Setting		2					Export
Parameter Setting		3					Export
Device Upgrade		4					Export
2 Fault Recording		5				(X	Export
Device Log							
Device Monitoring							
🐻 Historical Data 🛛 🗸							
🏫 System Configuration 🛛 🗸							
Configuration Active							

11.2 Appendix1 Safety Country

NO.	Safety Code	Value	NO.	Safety Code	Value
Europ	e				
1	IT CEI 0-21	0	29	BG	37
2	IT CEI 0-16	67	30	CZ-A1	1
3	DE LV with PV	2	31	CZ-B1	136
4	DE LV without PV	79	32	CZ-A2	135
5	DE MV	78	33	DK1	158
6	ES-A	3	34	DK2	5
7	ES-B	133	35	AT-A	30
8	ES-D	80	36	RO-A	7
9	ES island	61	37	RO-D	94
10	BE	6	38	GB G98	8
11	FR mainland	10	39	GB G99-A	40
12	FR island 50Hz	23	40	GB G99-B	155
13	FR island 60Hz	24	41	GB G99-C	156
14	PL-A	13	42	GB G99-D	157
15	PL-B	128	43	G98/NI	21
16	PL-D	75	44	IE-16/25A	35
17	NL 16/20A	27	45	IE-72A	92
18	NL-A	20	46	IE ESB	150
19	NL-B	76	47	IE EirGrid	151
20	NL-C	144	48	PT-D	130
21	NL-D	145	49	EE	129
22	SE LV	41	50	NR	134
23	SE MV	77	51	FI-A	138
24	SK	57	52	FI-B	139
25	HU	59	53	FI-C	140
26	СН	66	54	FI-D	141
27	CY	69	55	EN 50549-1	142
28	GR	4	56	EN 50549-2	143
Ocean	ia	<u>I</u>	I		I
57	Australia A	9	67	AU VIC	73
58	Australia B	85	68	AU Ergon≤30K	25
59	Australia C	86	69	AU Energex≤30K	26
60	AU L	15	70	AU Ergon>30K	62
61	AU WAPN	50	71	AU Energex>30K	63
62	AU MicroGrid	51	72	AU Endeavor Energy	81
63	AU Horizon	68	73	Newzealand	44
64	AU SAPN	70	74	Newzealand:2015	93
65	AU Ausarid	71	75	NZ GreenGrid	58
66	AU Essential	72			
Asia					
76	China-B	11	91	India CEA	152
77	China Higher	22	92	Philippines	34
78	China Highest	39	93	IP 50Hz	52
79	China I Itility	29	9/	IP 60Hz	53
, ,			J ⁴	μι σστιζ	

80	China-242-S	131	95	Sri Lanka	60			
81	China-242-H	132	96	IndiaHigher	54			
82	China 230V	513	97	Israel LV	83			
83	Taiwan	36	98	Israel MV	137			
84	Hong Kong	74	99	Israel HV	91			
85	Thailand MEA	17	100	Vietnam	89			
86	Thailand PEA	18	101	Malaysia LV	153			
87	Mauritius	19	102	Malaysia MV	95			
88	Korea	28	103	DEWA LV	55			
89	Korea-MV	90	104	DEWA MV	56			
90	India	31			·			
Americ	a	· · · ·						
105	Argentina	82	126	IEEE1547 240Vac	47			
106	US 208Vac Default	96	127	IEEE1547 230/400Vac	64			
107	US 240Vac Default	97	128	US ISO-NE 240Vac	115			
108	Mexico 440Vac Default	117	129	US ISO-NE 480Vac	116			
109	US 480Vac Default	108	130	USA 208VacHECO 14HM	106			
110	US CA 208Vac	98	131	USA 240VacHECO 14HMO	107			
111	US CA 240Vac	99	132	PR 208Vac	118			
112	US CA 480Vac	109	133	PR 240Vac	119			
113	US HI 208Vac	104	134	PR 480 Vac	120			
114	US HI 240Vac	105	135	Brazil 220Vac	16			
115	US HI 480Vac	110	136	Brazil 208Vac	146			
116	US Kauai 208Vac	111	137	Brazil 230Vac	147			
117	US Kauai 240Vac	112	138	Brazil 240Vac	148			
118	US Kauai 480Vac	113	139	Brazil 254Vac	149			
119	USA 208VacCA SDGE	100	140	Brazil 127Vac	43			
120	USA 24@VacCA SDGE	101	142	Barbados	38			
121	USA 208VacCA PGE	102	143	Chile BT	42			
122	USA 240VacCA PGE	103	144	Chile MT-A	87			
123	US ISO-NE 208Vac	114	145	Chile MT-B	88			
124	IEEE1547 208Vac	45	146	Colombia	121			
125	IEEE1547 220Vac	46		·	·			
Africa								
147	South Africa LV	14	148	Ghana	154			
Others	·	÷		· ·	·			
149	60Hz Default	12	153	IEC61727 50Hz	84			
150	50Hz Default	32	154	IEC61727 60Hz	65			
151	60Hz 127Vac Default	48	155	Warehouse	33			
152	50Hz 127Vac Default	49						



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