GOODWE

STS Series

(STS) Box is a cutting-edg Świtch switching solution designed for ommercial and use in industrial energy storage systems. This system enable precise control of inverters, allowing seamless transitions between grid-tied and off-grid modes. In the event of a grid outage, the inverter seamlessly switches to off-grid mode, providing power to critical loads through solar panels or batteries. When grid power is restored, the inverter smoothly transitions back to grid-tied operation. The STS is versatile, supporting connections with generators and accommodating large loads such as heat pumps and motors. During grid-tied operation, the STS supports a maximum load capacity of 138kW (200A) for the backup interface. This robust solution ensures continuous and reliable power supply, offering flexibility and efficiency in energy management.





Paired with ET 50kW for UPS-level and off-grid switching



Supports control of diesel generator integration



Supports the connection and control of large loads



IP65 ingress protection for outdoor installations

	GO)と	E

Technical Data	STS200-80-10		
Electrical Data			
Nominal Output Voltage (V)	380 / 400, 3L / N / PE		
Output Voltage Range (V)	176 ~ 276		
Nominal AC Frequency (Hz)	50 / 60		
AC Frequency Range (Hz)	45 ~ 65		
Inverter Side Data			
Nominal Apparent Power (VA)	50000		
Max. Apparent Power (VA) ^{*1}	50000		
Nominal Current (A)	72.5		
Max. Current (A) ^{*2}	75.8		
Grid Side Data			
Nominal Apparent Power (VA)	50000		
Max. Apparent Power (VA)	50000		
Nominal Current (A)	72.5		
Max. Current (A)	75.8		
Back-up Side Data			
Nominal Apparent Power (VA)	50000		
Max. Apparent Power without Grid (VA)	55000		
Max. Apparent Power with Grid (VA)	138000		
Nominal Current (A)	72.5		
Max. Current (A) ^{*3}	83.3		
Generator / PV inverter Side Data			
Nominal Apparent Power (VA)	50000		
Max. Apparent Power (VA)	55000		
Nominal Current (A)	72.5		
Max. Current (A)	83.3		
Other Electrical Data			
Nominal Current of AC Side Relay (A)	200		
Nominal Current of Generator Side Relay (A)	90		
Switch Time (ms)	<10		
General Data			
Operating Temperature Range (°C)	-35 ~ +60		
Max. Operating Altitude (m)	4000		
Cooling Method	Smart Fan Cooling		
Communication with Inverter	R\$485		
Weight (kg)	17.5		
Dimension (W \times H \times D mm)	510 × 425 × 156		
Mounting Method	Wall Mounted		
Ingress Protection Rating	IP65		
Certification			
Safety Regulation	IEC62109-1 / -2		
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4		

*1.When the inverter is operating in the off-gird state, Max. Apparent Power of Inverter Side can be reached 55kW. *2.When the inverter is operating in the off-gird state, Max. Current of Inverter Side can be reached 83.3A. *3.When the grid is on, the Max. Current of Backup side can be reached 200A. *: Please visit GoodWe website for the latest certificates.