

Increased ROI for C&I solar power projects

- ✓ Maximised energy output
- ✓ Lower CAPEX and OPEX
- ✓ Smart and efficient operation
- ✓ Highest safety standards

Characterized by its high power density, the GT Series string inverter provides high energy yields for commercial and industrial PV applications. Multiple MPPTs and high input current of 21A per DC string increase the overall yield with high-power PV modules. Type II surge protection provides safety and reliability for the PV system from lightning.



High power density



Up to 21A per string



Full power up to 45°C



Technical Data	GW100K-GT	GW110K-GT	GW125K-GT
Input			
Max. Input Voltage (V)		1100	
MPPT Operating Voltage Range (V)		180 ~ 1000	
Start-up Voltage (V)		200	
Nominal Input Voltage (V)		600	
Max. Input Current per MPPT (A)		42	
Max. Short Circuit Current per MPPT (A)		52.5	
Number of MPP Trackers	8	10	10
Number of Strings per MPPT		2	
Output			
Nominal Output Power (kW)	100	110	125
Nominal Output Apparent Power (kVA)	100	110	125
Max. AC Active Power (kW)	110.0	121.0	137.5 ^{*1}
Max. AC Apparent Power (kVA)	110.0	121.0	137.5 ^{*1}
Nominal Output Voltage (V)	220 / 380, 230 / 400, 3L / N / PE or 3L / PE		
Output Voltage Range (V)	304 ~ 460		
Nominal AC Grid Frequency (Hz)	50 / 60		
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65		
Max. Output Current (A)	167.1	183.4	199.4
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion	<3%		
Efficiency			
Max. Efficiency	98.8%	98.8%	99.0%
European Efficiency	98.4%	98.4%	98.5%
Protection			
PV String Current Monitoring	Integrated		
PV Insulation Resistance Detection	Integrated		
Residual Current Monitoring	Integrated		
PV Reverse Polarity Protection	Integrated		
Anti-islanding Protection	Integrated		
AC Overcurrent Protection	Integrated		
AC Short Circuit Protection	Integrated		
AC Overvoltage Protection	Integrated		
DC Switch	Integrated		
DC Surge Protection	Type II (Type I + II Optional)		
AC Surge Protection	Type II		
AFCI	Optional		
Remote Shutdown	Integrated		
PID Recovery	Optional		
Reactive Power Compensation at Night	Optional		
Power Supply at Night	Optional		
General Data			
Operating Temperature Range (°C)	-30 ~ +60		
Relative Humidity	0 ~ 100%		
Max. Operating Altitude (m)	4000		
Cooling Method	Smart Fan Cooling		
User Interface	LED, LCD (Optional), WLAN + APP		
Communication	RS485, WiFi + LAN or 4G or PLC (Optional)		
Communication Protocols	Modbus-RTU (SunSpec Compliant)		
Weight (kg)	85	88	88
Dimension (W x H x D mm)	930 x 650 x 300		
Topology	Non-isolated		
Self-consumption at Night (W)	<2		
Ingress Protection Rating	IP66		
DC Connector	MC4 (4 ~ 6mm ²)		
AC Connector	OT / DT terminal (Max. 240mm ²)		

*1: For VDE4105 Max. AC Active Power (kW) and Max. AC Apparent Power (kVA): GW125K-GT is 134.9.
 *: Please visit GoodWe website for the latest certificates.