

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) ²			1100	
MPPT Operating Voltage Range (V) ³			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)		100.0	110.0	125.0
Nominal Output Apparent Power (kVA)		100.0	110.0	125.0
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 × H × D mm)			930 × 650 × 300	
Topology			Non-isolated	
Self-consumption at Night (W)			<2	
Ingress Protection Rating			IP66	
DC Connector			MC4 (4 ~ 6mm²)	
AC Connector			OT / DT terminal (Max. 240mm²)	

*1: For VDE4105 Max. AC Active Power (kW) and Max. AC Apparent Power (kVA): GW125K-GT is 134.9.

*2: When the input voltage ranges from 1000V to 1100V, the inverter will enter the standby state. When the input voltage returns to the MPPT operating voltage range, the inverter will resume normal operating state.

*3: Please refer to the user manual for the MPPT Voltage Range at Nominal Power.

*: Please visit GoodWe website for the latest certificates.