

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)		600V @ 380 / 400Vac, 720V @ 480Vac		
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, 277 / 480, 3L / N / PE or 3L / PE		
Output Voltage Range (V)		304 ~ 528		
Nominal AC Grid Frequency (Hz)		50 / 60		
AC Grid Frequency Range (Hz)		45 ~ 55 / 55 ~ 65		
Max. Output Current (A)		167.1 @ 380V	183.4 @ 380V	199.4 @ 380V
		158.8 @ 400V	174.7 @ 400V	198.5 @ 400V
		132.3 @ 480V	145.5 @ 480V	165.4 @ 480V
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		
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.