




## 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
<b>Input</b>			
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	
<b>Output</b>			
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 <sup>*1</sup>
Max. AC Apparent Power (kVA)	110.0	121.0	137.5 <sup>*1</sup>
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%	
<b>Efficiency</b>			
Max. Efficiency	98.8%	98.8%	99.0%
European Efficiency	98.4%	98.4%	98.5%
<b>Protection</b>			
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	
<b>General Data</b>			
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 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 <sup>2</sup> )	
AC Connector		OT / DT terminal (Max. 240mm <sup>2</sup> )	

\*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.