

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



GT Series String Inverter I 100 - 125kW I 8/10 MPPTs I Three Phase **EMEA**

GT Series

GOODWE

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 158.8 @ 400V 132.3 @ 480V	183.4 @ 380V 174.7 @ 400V 145.5 @ 480V	199.4 @ 380V 198.5 @ 400V 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.

GoodWe-Single page-20260104-EN-EMEA-V1.1. Information may be subject to change without notice during product improving.