GOODWE

GT Series

100-125kW I Three Phase I 8/10 MPPTs

The GT Series string inverter is an ideal choice for commercial and industrial (C&I) applications to enhance productivity and realize high power density. Up to 10 MPPTs and high input current of 21A per DC string increase the overall yield with high-power PV modules. A new designed DC & AC cover, plus a flexible AC entry box is compatible with 95mm^2 AC cable to make installations faster and easier. The optional PID (Potential Induced Degradation) recovery function is also supported for better module performance. Safety is always the first priority. Both the DC and AC sides are equipped with Type II surge protection to protect the inverter from lightning, providing upgraded safety and reliability for the PV system. With a noise level of 70dB, IP66 rating, 150% DC input oversizing and paralleling capabilities of up to 60 units, the GT Series offers an unrivaled set of features to deliver increased return on investment (ROI) for C&I PV projects.

Optimal Generation for Higher Return

- 21A DC input current per string
- 8/10 MPPTs, max. Efficiency 99.0%
- 150% DC input oversizing & 110% AC output overloading
- No derating at 45°C

Superb Safety & Reliability

- Type II Surge Protection & AFCI as standard
- IP66 and optional C5 protection[1]

Smart Control & Monitoring

- String level monitoring
- Remote or onsite upgrade supported

Friendly & Thought Design

- Lightweight design and high power density for easy installation
- Easy & quick replacement of fan
- Fuse free design

1: Optional functions or devices are purchased separately.

GT Series

GOODWE

Technical Data	GW100K-GT	GW110K-GT	GW125K-GT
Input			
Max. Input Power (kW)	150.0	165.0	187.5
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)	99.99	110.0	125.0
Nominal Output Apparent Power (kVA)	99.99	110.0	125.0
Max. AC Active Power (kW)	99.99	110.0	137.5
Max. AC Apparent Power (kVA)	99.99	110.0	137.5
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)	145.0	159.5	199.4
Rated Output Current (A)	152.0 @ 380V 145.0 @ 400V	167.1 @ 380V 159.5 @ 400V	189.9 @ 380V 181.2 @ 400V
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		Integrated	
Emergency Power Off		Optional	
Rapid Shutdown		Optional	
Remote Shutdown		Optional	
PID Recovery		Optional	
Reactive Power Compensation at Night		Optional	
Power Supply at Night		Integrated	
General Data			
Operating Temperature Range (°C)		-30 ~ +60	
Operating Environment		Outdoor	
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 ~ 6mm^2)	
AC Connector		OT / DT terminal (Max. 240mm^2)	
Country of Manufacture		China	

*: Please visit GoodWe website for the latest certificates.
*: All pictures shown are for reference only. Actual appearance may vary.
**: Please refer to the user manual for the MPPT Voltage Range at Nominal Power.