GOODWE

GT Series

100/150kW I Three Phase I 10 MPPTs

GoodWe's GT Series 100kW (Low-Voltage) / 150kW inverter is built for large-scale commercial and industrial applications. Prioritizing reliability and safety, this inverter undergoes rigorous testing, ensuring stable performance even in the harshest environments. Its advanced features also simplifies O&M, enhancing efficiency while reducing costs. Powerful, reliable, and smart, the GT Series delivers outstanding performance across all aspects.



Optimal Generation for Higher Return

- 21A DC input current per string
- 10 MPPTs, max. Efficiency 99.0%
- Optional PID recovery[1]

Superb Safety & Reliability

- AI-driven AFCI 3.0 for safety[1]
- DC smart circuit breaker[1]
- Temperature detection on AC&DC sides

Cost-Effective Design

- Support max. 400mm^2 aluminum cables
- Optional night SVG function[1]
- Easy parallel with Ezlink 3000 at lower cost

Smart Control & Monitoring

- 24/7 load consumption monitoring[1]
- Smart fan self-cleaning[1]
- Online Insulation Resistance Monitoring

1: Optional functions or devices are purchased separately.

Technical Data	GW100K-GT-L-G10	GW150K-GT-G10
Input		
Max. Input Voltage (V)	900	1100[*1]
MPPT Operating Voltage Range (V)[*2]	180 ~ 900	180 ~ 1000
Start-up Voltage (V)	200	
Nominal Input Voltage (V)	370	600V @ 380 / 400 / 415Vac 720V @ 480Vac
Max. Input Current per MPPT (A)	42	
Max. Short Circuit Current per MPPT (A)	52.5	
Number of MPP Trackers	10	
Number of Strings per MPPT	2	
Output		
Nominal Output Power (kW)	100[*3]	150
Nominal Output Apparent Power (kVA)	100[*3]	150
Max. AC Active Power (kW)	100[*3]	165[*6]
Max. AC Apparent Power (kVA)	100[*3]	165[*6]
Nominal Output Voltage (V)	127 / 220V, 133 / 230V, 3L / N / PE or 3L / PE[*7]	220 / 380, 230 / 400, 240 / 415, 277 / 480, 3L / N / PE or 3L / PE
Output Voltage Range (V)	176 ~ 253	323 ~ 528
Nominal AC Grid Frequency (Hz)	50 / 60	
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65	
Max. Output Current (A)	251	250.7A @ 380Vac 238.2A @ 400Vac 229.6A @ 415Vac 198.5A @ 480Vac
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion	<3%	
Efficiency		
Max. Efficiency	98.8%	99.0%
European Efficiency	98.3%	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[*4]	Optional	
Emergency Power Off	-	Optional
Rapid Shutdown	Optional	
Remote Shutdown[*5]	Optional	
PID Recovery	Optional	
Reactive Power Compensation at Night	-	Optional
Power Supply at Night	Optional	
I-V Curve Scan	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), APP	
Communication	RS485, WiFi + LAN + Bluetooth, 4G + Bluetooth	
Communication Protocols	Modbus-RTU (SunSpec Compliant), Modbus-TCP	
Weight (kg)	≤99	
Dimension (W × H × D mm)	995 × 758 × 358	
Topology	Non-isolated	
Self-consumption at Night (W)	<2	
Ingress Protection Rating	IP66	
DC Connector	MC4 (4 ~ 6mm²)	
AC Connector	OT / DT terminal (Max. 400mm²)	

*1: 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.
*2: Please refer to the user manual for the MPPT Voltage Range at Nominal Power.
*3: 95.6kW/KVA for 220V, 90.4kW/kVA for 208V.
*4: For Brazil and Mexico, AFCI: Integrated.
*5: For Brazil, Remote Shutdown: Integrated.
*6: For Chile and Sri Lanka, Max. AC Active Power (kW) and Max. AC Apparent Power (kVA): 150kW/kVA.
*7: For some regions, Nominal Output Voltage (V): 120/208, 3L/N/PE or 3L/PE.
*: Please visit GoodWe website for the latest certificates.

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