

GOODWE

GT Series

150kW | Three Phase | 10 MPPTs

GoodWe's GT 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 simplify 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 recovery¹



Superb Safety & Reliability

- AI-driven AFCI 3.0 for safety¹
- DC smart circuit breaker¹
- Temperature detection on AC&DC sides



Cost-Effective Design

- Support max. 400mm² aluminum cables
- Optional night SVG function¹
- Easy parallel with Ezlink 3000 at lower cost



Smart Control & Monitoring

- 24/7 load consumption monitoring¹
- Smart fan self-cleaning¹
- Online Insulation Resistance Monitoring

1: Optional functions or devices are purchased separately.

Technical Data		GW150K-GT-G10
Input		
Max. Input Voltage (V)		1100 ^{*1}
MPPT Operating Voltage Range (V) ^{*2}		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		10
Number of Strings per MPPT		2
Output		
Nominal Output Power (kW)		150
Nominal Output Apparent Power (kVA)		150
Max. AC Active Power (kW)		165
Max. AC Apparent Power (kVA)		165
Nominal Output Voltage (V)		220 / 380, 230 / 400, 240 / 415, 3L / N / PE or 3L / PE
Output Voltage Range (V)		323 ~ 498
Nominal AC Grid Frequency (Hz)		50 / 60
AC Grid Frequency Range (Hz)		45 ~ 55 / 55 ~ 65
Max. Output Current (A)		250.7A @ 380Vac 238.2A @ 400Vac 229.6A @ 415Vac
Power Factor		0.8 leading ~ 0.8 lagging
Max. Total Harmonic Distortion		<3%
Efficiency		
Max. Efficiency		99.0%
European Efficiency		98.5%
CEC Efficiency		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 ^{*3}		Optional
Emergency Power Off		Optional
Rapid Shutdown		Optional
Remote Shutdown ^{*4}		Optional
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), APP
Communication		RS485, WiFi + LAN + Bluetooth, 4G + Bluetooth or PLC (optional)
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 ~ 6mm ²)
AC Connector		OT / DT terminal (Max. 400mm ²)

*1: When the input voltage is 1000V-1100V, the inverter will enter standby mode. The inverter will return to normal operation state when the voltage returns to the MPPT working voltage range.

*2: Please refer to the user manual for the MPPT Voltage Range at Nominal Power.

*3: For Brazil, AFCI: Integrated.

*4: For Brazil, Remote Shutdown: Integrated.

*: Please visit GoodWe website for the latest certificates.