

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)		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)		150
Nominal Output Apparent Power (kVA)		150
Max. AC Active Power (kW)		165 ^{*5}
Max. AC Apparent Power (kVA)		165 ^{*5}
Nominal Output Voltage (V)		220 / 380, 230 / 400, 240 / 415, 277 / 480, 3L / N / PE or 3L / PE
Output Voltage Range (V)		323 ~ 528
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 198.5A @ 480Vac
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
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 and Mexico, AFCI: Integrated.

*4: For Brazil, Remote Shutdown: Integrated.

*5: For Chile and Sri Lanka, Max. AC Active Power (kW) and Max. AC Apparent Power (kVA): 150kW/kVA.

*: Please visit GoodWe website for the latest certificates.