

GoodWe's GT 150kW string 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.



- 21A large input current per string
- AI-driven AFCI 3.0 for safety
- DC smart circuit breaker

GT Series String Inverter I 150kW I 10 MPPTs I Three Phase **EMEA**

GT Series

GOODWE

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	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), 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.
*: Please visit GoodWe website for the latest certificates.

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