

HT Series | 1500Vdc

225-250kW | 12 MPPTs
Three Phase

The new HT 1500V Series (225/250kW) is GoodWe's ultimate high-power inverter for ground mounted utility projects with an extensive list of features designed to reduce system and O&M costs. This inverter boasts 12 MPPTs, PLC communication and is compatible with bifacial modules. The HT-1500V Series features string level monitoring and incorporated I-V curve diagnosis for intelligent detection of voltage and current issues. It features internal humidity detection and optional PID repair function. It can realize 24-hour monitoring and O&M during nighttime. The configuration of the HT 1500V can be easily done via Bluetooth and firmware diagnosis and upgrading can be done remotely. These outstanding sets of features were conceived to ensure the lowest levelized cost of energy (LCOE).



Compatible with Bifacial Module



Power line communication



Easy and quick configuration via bluetooth



I-V curve diagnosis



Internal humidity monitoring

Technical Data	GW225K-HT	GW250K-HT
PV String Input Data		
Max. Input Power (kW)	360	360
Max. Input Voltage (V)	1500	1500
MPPT Operating Voltage Range (V)	500~1500	500~1500
Start-up Voltage (V)	550	550
Nominal Input Voltage (V)	1160	1160
Max. Input Current per MPPT (A)	30	30
Max. Short Circuit Current per MPPT (A)	50	50
Number of MPPTs	12	12
Number of Strings per MPPT	2	2
AC Output Data		
Nominal Output Power (kW)	225	250
Max. AC Active Power (kW)	247.5	250
Max. AC Apparent Power (kVA)	247.5	250
Nominal Output Voltage (V)	800, 3L / PE	800, 3L / PE
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60
Max. Output Current (A)	178.7	180.5
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion	<3%	<3%
Efficiency		
Max. Efficiency	99.0%	99.0%
European Efficiency	98.8%	98.8%
Protection		
PV String Current Monitoring	Integrated	Integrated
Internal Humidity Detection	Integrated	Integrated
DC Insulation Resistance Detection	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated
DC Surge Arrester	Integrated (Type II)	Integrated (Type II)
AC Surge Arrester	Integrated (Type II)	Integrated (Type II)
AC Overcurrent Protection	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated
DC Arc Fault Circuit Interrupter	Optional	Optional
PID Recovery	Optional	Optional
General Data		
Operating Temperature Range (°C)	-30 ~ 60	-30 ~ 60
Relative Humidity	0~100%	0~100%
Max. Operating Altitude (m)	5000 (>4000 derating)	5000 (>4000 derating)
Cooling Method	Smart Fan Cooling	Smart Fan Cooling
Display	LED (LCD optional), Bluetooth+APP	LED (LCD optional), Bluetooth+APP
Communication	RS485 & PLC	RS485 & PLC
Weight (Kg)	111	111
Dimensions (W × H × D mm)	1091 × 678 × 341	1091 × 678 × 341
DC Connector	MC4-Evo2	MC4-Evo2
AC Connector	OT / DT terminal (Max. 300 mm ²)	OT / DT terminal (Max. 300 mm ²)
Ingress Protection Rating	IP66	IP66
Overvoltage Category	PV II / AC III	PV II / AC III
Protective class	I	I
Topology	Transformerless	Transformerless

*: Please visit GoodWe website for the latest certificates.