

HT Series Datasheet



Technical Data

GW225K-HT

GW250K-HT

PV String Input Data

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
No. of MPPT	12	12
Number of Strings per Tracker	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 (>4000derating)	5000 (>4000derating)
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 (Max. 6 mm ²)	MC4 (Max. 6 mm ²)
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.