

HT Series Datasheet



Technical Data	GW100K-HT	GW110K-HT	GW120K-HT	GW136K-HTH
PV String Input Data				
Max. DC Input Power (kW)	150	165	180	205
Max. DC Input Voltage (V)	1100	1100	1100	1100
MPPT Operating Voltage Range (V)	180~1000	180~1000	180~1000	180~1000
Start-up Voltage (V)	200	200	200	200
MPPT Range For Full Load (V)	500~850	500~850	500~850	500~850
Nominal DC Input Voltage (V)	600	600	600	750
Max. Input Current per MPPT (A)	30	30	30	30
Max. Short Current per MPPT (A)	45	45	45	45
Number of MPPTs	10	12	12	12
Number of String per MPPT	2	2	2	2
AC Output Data				
Nominal Output Power (kW)	99.99	110	120	136
Max. Output Power (kW)	99.99	121	132	150
Rated Apparent Power (KVA)	99.99	110	120	136
Max. Output Apparent Power (kVA)	99.99	121	132	150
Nominal Output Voltage (V)	400, 3L / N / PE or 3L / PE	400, 3L / N / PE or 3L / PE	400, 3L / N / PE or 3L / PE	500V, 3L / PE
Nominal Output Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60
Max. Output Current (A)	167	175.5	191.3	173.2
Max. Output Fault Current (peak and duration) (A)	364@5us	364@5us	364@5us	364@5us
Inrush Current (peak and duration) (A)	120@1us	120@1us	120@1us	120@1us
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%
Efficiency				
Max. Efficiency	98.6%	98.6%	98.6%	99.0%
European Efficiency	98.3%	98.3%	98.3%	98.5%
Protection				
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated
Internal Humidity Detection	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated
DC SPD Protection	Type II (Type I optional)			
AC SPD Protection	Type II (Type I optional)			
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated
Arc Fault Protection	Optional	Optional	Optional	Optional
Emergency Power off	Optional	Optional	Optional	Optional
PID Recovery	Optional	Optional	Optional	Optional
General Data				
Operating Temperature Range (°C)	-30~60	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%
Max. Operating Altitude (m)	5000 (>4000derating)	5000 (>4000derating)	5000 (>4000derating)	5000 (>4000derating)
Cooling	Smart Fan Cooling	Smart Fan Cooling	Smart Fan Cooling	Smart Fan Cooling
Display	LED (Standard), LCD (Optional), Bluetooth+APP			
Communication	RS485 or PLC or WIFI	RS485 or PLC or WIFI	RS485 or PLC or WIFI	RS485 or PLC or WIFI
Weight (kg)	93.5	98.5	98.5	98.5
Dimension (Width × Height × Depth mm)	1008 × 678 × 343	1008 × 678 × 343	1008 × 678 × 343	1008 × 678 × 343
Protection Degree	IP66	IP66	IP66	IP66
Night Self Consumption (W)	<2	<2	<2	<2
Overtage Category	PVII / ACII	PVII / ACII	PVII / ACII	PVII / ACII
Protective Class	I	I	I	I
Noise Emission (dB)	<70	<70	<70	<70
Topology	Transformerless			

*: Please visit GoodWe website for the latest certificates.