HT Series Datasheet



Technical Data	GW100K-HT	GW120K-HT	GW136K-HTH	GW150K-HTH	GW250K-HT
PV String Input Data					
Max. DC Input Power (kW)	150	180	205	205	300
Max. DC Input Voltage (V)	1100	1100	1100	1100	1500
MPPT Range (V)	180~1000	180~1000	180~1000	180~1000	500~1500
Min. Start-up Voltage (V)	200	200	200	200	550
Nominal DC Input Voltage (V)	600	600	750@500VAC; 800@540VAC	750@500VAC; 800@540VAC	1080
Max. Input Current (A)	10*28A	12*28A	12*28A	12*28A	12*26A
Max. Short Current (A)	10*42A	12*42A	12*42A	12*42A	12*40A
No. of MPP Trackers	10	12	12	12	12
No. of Input Strings per Tracker	2	2	2	2	2
AC Output Data					
Nominal Output Power (kW)	100	120	136	150	230
Max. Output Power (kW)	110	132	136	150	250
Max. Output Apparent Power (kVA)	110	132	150	165	250
Nominal Output Voltage (V)	400, 3L/N/PE or 3L/PE		500/540, 3L/PE	500/540, 3L/PE	800, 3L/PE
Nominal Ouput Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	168	191.3	173.2A@ 500V; 160.4A@540V	190.5A@ 500V; 176.4A@540V	180.5
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	98.6%	98.6%	99.0%	99.0%	99.0%
European Efficiency	98.3%	98.3%	98.5%	98.5%	98.6%
Protection					
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Internal Humidity Detection	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	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	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Arc Fault Protection	Optional	Optional	Optional	Optional	Optional
Emergency Power off	Optional	Optional	Optional	Optional	Optional
AC Terminal Over-temperature Protection	Optional	Optional	Optional	Optional	Optional
AC Switch	Optional	Optional	Optional	Optional	Optional
PID Recovery	Optional	Optional	Optional	Optional	Optional
General Data					
Operating Temperature Range (°C)	-30~60	-30~60	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Fan Cooling	Fan Cooling	Fan Cooling	Fan Cooling	Fan Cooling
User Interface	LED, Bluetooth+APP (LCD optional)				
Communication	RS485 or PLC or WiFi		RS485 ; PLC	RS485 ; PLC	RS485 or PLC
Weight (kg)	89	90.5	90.5	90.5	98
Dimension (Width*Height*Depth mm)	1005*660*350	1005*660*350	1005*660*350	1005*660*350	1085*660*350
Protection Degree	IP66	IP66	IP66	IP66	IP66
Night Self Consumption (W)	<2	<2	<2	<2	<2
Topology	Transformerless				

*: Please visit GoodWe website for the latest certificates.

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