

HT 1500V Datasheet



Technical Data	GW225K-HT	GW250K-HT
PV String Input Data		
Max. DC Input Power (kW)	300	300
Max. DC Input Voltage (V)	1500	1500
MPPT Range (V)	500~1500	500~1500
Min. Start-up Voltage (V)	550	550
Nominal DC Input Voltage (V)	1160	1160
Max. Input Current (A)	12×30	12×30
Max. Short Current (A)	12×45	12×45
No. of MPP Trackers	12	12
No. of Input Strings per Tracker	2	2
AC Output Data		
Nominal Output Power (kW)	225	250
Max. Output Power (kW)	247.5	250
Max. Output Apparent Power (kVA)	247.5	250
Nominal Output Voltage (V)	800, 3L/PE	800, 3L/PE
Nominal Output 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)	
Output THDi (@Nominal Output)	<3%	<3%
Efficiency		
Max. Efficiency	99.0%	99.0%
European Efficiency	98.4%	98.6%
Protection		
PV String Current Monitoring	Integrated	Integrated
Internal Humidity Detection	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated
DC SPD Protection	Integrated (Type II)	Integrated (Type II)
AC SPD Protection	Integrated (Type II)	Integrated (Type II)
Output Over Current Protection	Integrated	Integrated
Output Short Protection	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated
Arc Fault Protection	Optional	Optional
AC Terminal Temperature Detection	Optional	Optional
PID Recovery	Optional	Optional
General Data		
Operating Temperature Range (°C)	-30 ~ 60	-30 ~ 60
Relative Humidity	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000
Cooling	Fan Cooling	Fan Cooling
Display	LED (LCD optional), Bluetooth+APP	LED (LCD optional), Bluetooth+APP
Communication	RS485 & PLC	RS485 & PLC
Weight (kg)	105	105
Dimensions (W×H×D mm)	1091×678×341	1091×678×341
Protection Degree	IP66	IP66
Topology	Transformerless	Transformerless

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