

HT Series | 1100Vdc 73-120kW | Three Phase 3 MPPTS

The HT 1100 Vdc Series 73-120kW is GoodWe's new string inverter for C&I and small utility projects to boost your power and profit. Generate your solar power and make use of it with this centerpiece of the clean energy system. The HT Series seamlessly incorporates its technical strengths designed to achieve higher savings in the installation, enhance productivity with increased energy yields, realize high power density and diversify available monitoring options. It takes safety to the top possible level in accordance with the strictest industry standards and runs efficiently even under the harshest environmental conditions. This unrivalled set of features was conceived to ensure the lowest levelized cost of electricity (LCOE) to offer this ideal choice for commercial and industrial PV systems.



Smart Control & Monitoring

- String level monitoring
- Dynamic power export limit



Optimal Generation for Higher Return

- Full load running at 45°C
- Up to 12 MPPTS



Superb Safety & Reliability

- IP66 and C5 protection
- Type II SPD on both DC and AC sides



Friendly & Thoughtful Design

- Easy and quick configuration via Bluetooth
- Power line communication

Technical Data	GW73KLV-HT	GW75K-HT	GW80K-HT	GW100K-HT	GW110K-HT	GW120K-HT
Input						
Max. Input Voltage (V)	800	1100	1100	1100	1100	1100
MPPT Operating Voltage Range (V)	180 ~ 650	180 ~ 1000	180 ~ 1000	180 ~ 1000	180 ~ 1000	180 ~ 1000
Start-up Voltage (V)				200		
Nominal Input Voltage (V)	370	600	600	600	600	600
Max. Input Current per MPPT (A)				30		
Max. Short Circuit Current per MPPT (A)				45		
Number of MPP Trackers	12	10	10	10	12	12
Number of Strings per MPPT				2		
Output						
Nominal Output Power (kW)	73	75	80	100 ¹	110	120
Nominal Output Apparent Power (kVA)	73	75	80	100 ¹	110	120
Max. AC Active Power (kW)	69@208V; 73@220V; 75@240V	75	88	110 ¹	121 ¹	132 ¹
Max. AC Apparent Power (kVA)	75	75	88	110 ¹	121 ¹	132 ¹
Nominal Output Voltage (V)	220V, 3L / N / PE or 3L / PE	380V / 400V, 3L / N / PE or 3L / PE ²		400V, 3L / N / PE or 3L / PE ²		
Output Voltage Range (V)	187 ~ 242	320 ~ 440	320 ~ 440	320 ~ 440	320 ~ 440	320 ~ 440
Nominal AC Grid Frequency (Hz)				50 / 60		
AC Grid Frequency Range (Hz)				45 ~ 55 / 55 ~ 65		
Max. Output Current (A)	192.0	125.3	134.0	167.0	175.5	191.3
Power Factor			~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion			<3%			
Efficiency						
Max. Efficiency	98.4%	98.6%	98.6%	98.6%	98.6%	98.6%
European Efficiency	98.1%	98.3%	98.3%	98.3%	98.3%	98.3%
Protection						
PV String Current Monitoring				Integrated		
PV Insulation Resistance Detection				Integrated		
Residual Current Monitoring				Integrated		
PV Reverse Polarity Protection				Integrated		
Anti-islanding Protection				Integrated		
AC Overcurrent Protection				Integrated		
AC Short Circuit Protection				Integrated		
AC Overvoltage Protection				Integrated		
DC Switch				Integrated		
DC Surge Protection				Type II		
AC Surge Protection				Type II		
AFCI				Optional		
Remote Shutdown				Optional		
PID Recovery				Optional		
General Data						
Operating Temperature Range (°C)				-30 ~ +60		
Relative Humidity				0 ~ 100%		
Max. Operating Altitude (m)				5000 (>4000 derating)		
Cooling Method				Smart Fan Cooling		
User Interface				LED, LCD (Optional), WLAN + APP		
Communication				RS485, WiFi or 4G (Optional)		
Communication Protocols				Modbus-RTU (SunSpec Compliant)		
Weight (kg)	98.5	93.5	93.5	93.5	98.5	98.5
Dimension (W × H × D mm)				1008 × 678 × 343		
Topology				Non-isolated		
Self-consumption at Night (W)				<2		
Ingress Protection Rating				IP66		
DC Connector				MC4 (4 ~ 6mm ²)		
AC Connector				OT / DT terminal (Max. 300mm ²)		