

HT Series | 1100Vdc

73-136kW | Up to 12 MPPTs

Three Phase

The HT 1100 Vdc Series 73-136kW 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
- Optional Type I Surge Protection & AFCI¹



Friendly & Thoughtful Design

- Easy and quick configuration via Bluetooth
- Power line communication

¹: Optional functions or devices are purchased separately.

Technical Data		GW73KLV-HT	GW75K-HT	GW80K-HT	GW100K-HT	GW110K-HT	GW120K-HT	GW136K-HTH
Input								
Max. Input Voltage (V)	800	1100	1100	1100	1100	1100	1100	
MPPT Operating Voltage Range (V)	180 ~ 650	180 ~ 1000	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	600	750
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	12	12
Number of Strings per MPPT				2				
Output								
Nominal Output Power (kW)	73	75	80	100 ^{*1}	110	120	136	
Nominal Output Apparent Power (kVA)	73	75	80	100 ^{*1}	110	120	136	
Max. AC Active Power (kW)	69@208V; 73@220V; 75@240V	75	88	110 ^{*1*3}	121 ^{*3}	132 ^{*3}	150 ^{*3}	
Max. AC Apparent Power (kVA)	75	75	88	110 ^{*1*4}	121 ^{*4}	132 ^{*4}	150 ^{*4}	
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}			500V, 3L / PE	
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	173.2	
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%	98.6%	99.0%
European Efficiency	98.1%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.5%
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 (Type I optional)				
AC Surge Protection				Type II (Type I optional)				
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)					RS485, WiFi or 4G or PLC (Optional)
Communication Protocols				Modbus-RTU (SunSpec Compliant)				
Weight (kg)	98.5	93.5	93.5	93.5	98.5	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 ~ 6mm²)							
AC Connector	OT / DT terminal (Max. 300mm²)							

*1: For Australia is 99.99kW / kVA.

*2: For Brazil, Nominal Output Voltage (V): 380, 3L / N / PE or 3L / PE.

*3: For Belgium, Max. AC Active Power (kW): GW100K-HT is 100, GW110K-HT is 110, GW120K-HT is 120, GW136K-HTH is 136.

*4: For Belgium, Max. AC Apparent Power (kVA): GW100K-HT is 100, GW110K-HT is 110, GW120K-HT is 120, GW136K-HTH is 136.

*: Please visit GoodWe website for the latest certificates.

*: All pictures shown are for reference only. Actual appearance may vary.