GOODWE

HT Series | 1100Vdc

73-120kW I Up to 12 MPPTs
Three Phase

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

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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 ~ 6mm²)					
AC Connector	OT / DT terminal (Max. 300mm²)					

*1: For Australia is 99.99kW / kVA (GW100K-HT).
*1: For Chile Max. AC Active Power (kW) & Max. AC Apparent Power (kVA): GW100K-HT is 100K; GW110K-HT is 110K; GW120K-HT is 120K.
*2: For Brazil, Nominal Output Voltage (V): 380, 3L / N / PE or 3L / PE.
*: Please visit GoodWe website for the latest certificates.
*: All pictures shown are for reference only. Actual appearance may vary.