

HT Series | 1100Vdc 73-136kW | Up to 12 MPPTs Three Phase

The new HT 1100Vdc Series (73-136kW) is GoodWe's new string inverter for C & I and small utility projects. The HT series offers up to 12 MPPTs, and is compatible with bifacial modules, with a higher threshold of DC current (Max. 15A per string). It includes PLC communication and internal humidity detection. The HT series seamlessly incorporates different sets of technical strengths designed to achieve higher savings in the installation, enhance productivity and diversify available monitoring options, taking safety to the maximum possible level in accordance with the strictest industry standards. This inverter comes with an optional AC switch for reduced overall costs and reduced installation time. Configuration can be easily done via Bluetooth, and diagnosis and firmware upgrading can be operated remotely. This outstanding set of features was conceived to ensure the lowest levelized cost of electricity (LCOE).



Compatible with Bifacial Module



Easy and quick configuration via bluetooth



Power line communication



String level monitoring

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	200	200	200	200	200	200
Nominal Input Voltage (V)	370	600	600	600	600	600	750
Max. Input Current per MPPT (A)	30	30	30	30	30	30	30
Max. Short Circuit Current per MPPT (A)	45	45	45	45	45	45	45
Number of MPP Trackers	12	10	10	10	12	12	12
Number of Strings per MPPT	2	2	2	2	2	2	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
Output Voltage Range (V)	187 ~ 242	320 ~ 440		340 ~ 440	340 ~ 440	340 ~ 440	425 ~ 550
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	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%	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency							
Max. Efficiency	98.4%	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%	98.5%
Protection							
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
PV Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
PV Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Switch	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Protection	Type II (Type I optional)						
AC Surge Protection	Type II (Type I optional)						
AFCI	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Remote Shutdown	Optional	Optional	Optional	Optional	Optional	Optional	Optional
PID Recovery	Optional	Optional	Optional	Optional	Optional	Optional	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 x H x D mm)	1008 x 678 x 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)						

*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.