

# HT Series Datasheet



Technical Data	GW73KLV-HT	GW100K-HT	GW110K-HT	GW120K-HT	GW136K-HTH
<b>Input</b>					
Max. DC Input Power (kW)	-	150	165	180	205
Max. Input Voltage (V)	1100	1100	1100	1100	1100
MPPT Operating Voltage Range (V)	180~1000	180~1000	180~1000	180~1000	180~1000
Start-up Voltage (V)	200	200	200	200	200
Nominal Input Voltage (V)	600	600	600	600	750
Max. Input Current per MPPT (A)	12*30A	10*30A	12*30A	12*30A	12*30A
Max. Short Circuit Current per MPPT (A)	12*45A	10*45A	12*45A	12*45A	12*45A
Number of MPPT	12	10	12	12	12
Number of Strings per MPPT	2	2	2	2	2
<b>Output</b>					
Nominal Output Power (kW)	73	100	110	120	136
Max. AC Active Power (kW)	73@220V; 69@208V; 75@230V	110	121	132	150
Max. AC Apparent Power (kVA)	75	110	121	132	150
Nominal Output Voltage (V)	220, 3L/N/PE or 3L/PE		400, 3L/N/PE or 3L/PE		500V, 3L/PE
Nominal AC Grid Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	191.3	167	175.5	191.3	173.2A
Output Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%
<b>Efficiency</b>					
Max. Efficiency	98.4%	98.6%	98.6%	98.6%	99.0%
European Efficiency	98.1%	98.3%	98.3%	98.3%	98.5%
<b>Protection</b>					
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Internal Humidity Detection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Arrester			Type II (Type I optional)		
AC Surge Arrester			Type II (Type I optional)		
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Arc Fault Circuit Interrupter	Optional	Optional	Optional	Optional	Optional
Emergency Power off	-	Optional	Optional	Optional	Optional
PID Recovery	Optional	Optional	Optional	Optional	Optional
<b>General Data</b>					
Operating Temperature Range (°C)	-30 ~ 60	-30~60	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%
Max. Operating Altitude (m)	5000 (>4000 derating)	≤4000	≤4000	≤4000	≤4000
Cooling Method	Smart Fan Cooling	Fan Cooling	Fan Cooling	Fan Cooling	Fan Cooling
Display	LED (LCD Optional), Bluetooth + APP		LED(Standard), LCD(Optional), Bluetooth+APP		
Communication	RS485 or PLC or WiFi	RS485 or PLC or WiFi	RS485 or PLC or WiFi	RS485 or PLC or WiFi	RS485 or PLC or WiFi
Weight (Kg)	98.5	93.5	98.5	98.5	98.5
Dimensions (W × H × D mm)	1005 × 676 × 340	1008 × 678 × 343	1008 × 678 × 343	1008 × 678 × 343	1008 × 678 × 343
DC Connector	MC4 (Max. 6 mm <sup>2</sup> )	-	-	-	-
AC Connector	OT / DT terminal (Max. 300 mm <sup>2</sup> )	-	-	-	-
Ingress Protection Rating	IP66	IP66	IP66	IP66	IP66
Night Self Consumption (W)	<2	<2	<2	<2	<2
Topology			Transformerless		

\*: Please visit GoodWe website for the latest certificates.