

# CHINT 6kW

Chint Power String Inverter

High Return of the Whole Life Cycle



## Low Investment

Three-phase string series inverters not only are diversified products providing optional DC switch, integrated DC combiner box, standard class II lightning protection, optional string detecting board, PID protection module and GPRS/Wi-Fi/RS485 wireless communication, which can match the requirements of different customers, but also can support 10% rated overload which can efficiently decrease initial investment of system.

## High Profits

Three-phase string inverters can provide 98.4% maximum efficiency, 98% Euro efficiency, 99.5% MPPT efficiency, fan-less topology design and international known device options, which can guarantee the profits of the Whole Life Cycle.

## Maintenance Warranty

Three-phase string inverters can provide standard warranty for 5 years, optional extended warranty for 10-25 years and smart operation platform, which can efficiently guarantee the maintenance of the Whole Life Cycle.

Model Name	6kW
<b>DC Input</b>	
Rated DC Power	6000W
Max. DC Voltage	1000Vdc
MPPT Voltage Range	160 - 950Vdc
MPPT Voltage Range (Full Load)	300-800Vdc
Rated DC Voltage	620Vdc
Start Voltage	200Vdc
Max. DC Current PV1 / PV2	11A/11A
Number of DC Connection Sets per MPPT	1/1
Number of MPPT	2
DC Switch	Standard
<b>AC Output</b>	
Rated AC Power	6000W
Max. AC Power	6600VA
Max. AC Current	10A
Rated AC Voltage / Range	380V,400V / 277- 520V
Grid Frequency / Range	50-60Hz / 45-55Hz,55-65Hz
Power Factor (cosφ)	±0.8 ( adjustable )
Current THD	< 3%
Grid Connection Type	3W + N + PE
<b>Efficiency</b>	
Max. Efficiency	98.2%
Euro Efficiency	97.8%
<b>Protection</b>	
DC Over-current Protection	Integrated
DC Insulation Monitoring	Integrated
DC Reverse-Polarity Protection	Integrated
Surge Protection	AC Class II
Leakage Current Protection	Integrated
AC Short Circuit Current Protection	Integrated
Anti-islanding Protection	Integrated
<b>Interface</b>	
AC Connection	Plug-in Connector
DC Connection	MC4 / H4
LCD / LED Display	LED+ APP ( Bluetooth )
Language	English
Communication	RS485 ( Standard ) / Wi-Fi & GPRS ( Optional )
<b>General Data</b>	
Topology	Transformerless
Operating Temperature Range	-25°C to +60°C
Cooling Method	Natural Convection
Ambient Humidity	0 - 100%
Altitude	4000m
Noise	< 25dBA
Ingress Protection	IP65
Dimensions (W*H*D) [mm]	380 * 480 * 176
Weight [kg]	19.8
Warranty [year]	5 ( Standard ) / 10 ( Optional )
Certifications	IEC62109-1/2, IEC61000-6-1/2/3/4, CQC NB/T 32004, IEC61727, IEC62116, IEC60068, IEC61683

\* "Output Voltage Range" and "Output Frequency Range" may be differ according to specific grid codes.