

CHINT 6kW

Chint Power Single-phase Inverter
High Return of the Whole Life Cycle



Low Investment

Single-phase string series inverters not only are diversified products providing optional DC switch and GPRS/Wi-Fi/RS485 wireless communication, which can match the requirements of different customers, but also can support 10% rated overload and no-screen design, which can efficiently decrease initial investment of system.

High Profits

Single-phase string inverters can provide 98% maximum efficiency, 97.4% 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

Single-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
DC Input	
Rated DC Power	6050W
Max. DC Voltage	600Vdc
MPPT Voltage Range	90 - 580Vdc
Rated DC Voltage	360Vdc
Start Voltage	90Vdc
Min. DC Voltage	70Vdc
Max. DC Current PV1 / PV2	11A /11A
Number of DC Connection Sets per MPPT	1 / 1
Number of MPPT	2
DC Switch	Optional
AC Output	
Rated AC Power	6000W
Max. AC Power	6000VA
Rated AC Voltage	27.3A
Max. AC Current	27.3A
Rated AC Voltage / Range	220V, 230V, 240V / 180- 280V
Grid Frequency / Range	50 ± 5Hz
Power Factor (cosφ)	±0.8(adjustable)
Current THD	< 3%
Grid Connection Type	L + N + PE
Efficiency	
Max. Efficiency	98.0%
Euro Efficiency	97.4%
MPPT Efficiency	>99.5%
Protection	
Internal Over-voltage Protection	Integrated
DC Insulation Monitoring	Integrated
DCI Monitoring	Integrated
GFCI Monitoring	Integrated
Grid Monitoring	Integrated
AC Short Circuit Current Protection	Integrated
Thermal Protection	Integrated
Anti-islanding Protection Monitoring	AFD
Interface	
AC Connection	Plug-in Connector
DC Connection	MC4 / H4
LCD / LED Display	LED * 3+APP(Bluetooth)
Language	English
Communication	RS232(Standard) / Wi-Fi & GPRS & RS485(Optional)
General Data	
Topology	Transformerless
Consumption at Night	< 0.2W
Consumption at Standby	6W
Operating Temperature Range	-25°C to +60°C (45°C to 60°C with derating)
Cooling Method	Natural Convection
Ambient Humidity	0 - 100%, Non-condensing
Altitude	4000m (2000m with derating)
Noise	< 25dBA
Ingress Protection	IP65
Dimensions (W*H*D) [mm]	335 * 426 * 125
Weight [kg]	12.8
Warranty [year]	5 (Standard) / 10 / 15 / 20 / 25 (Optional)
Certifications	IEC62109-1/2, IEC61000-6-1/2/3/4, IEC61727/62116, IEC61683