

CPS SCA3~6KTL-SM

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	CPS SCA3KTL-SM	CPS SCA4KTL-SM	CPS SCA5KTL-SM	CPS SCA6KTL-SM
DC Input				
Rated DC Power	3350W	4450W	5550W	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	3000W	4000W	5000W	6000W
Max. AC Power	3300VA	4400VA	5500VA	6000VA
Rated AC Current	13.6A	18.1A	22.7A	27.3A
Max. AC Current	14.3A	19.1A	23.8A	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	97.6%	97.6%	97.8%	98.0%
Euro Efficiency	97.2%	97.3%	97.3%	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	Chinese / English			
Communication	RS232(Standard) / Wi-Fi & GPRS(Optional)			
General Data				
Topology	Transformerless			
Consumption at Night	< 0.2W			
Consumption at Standby	6W			
Operatig 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			