

CPS SCA4~6KTL-SM/EU

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



Low Investment

Single-phase string series inverters products providing standard configuration DC switch and optional 4G/Wi-Fi/RS232 communication, which can match the requirements of different customers, support 10% rated overload and no-screen design, which can efficiently decrease initial investment of system.

High Profits

High DC/AC ratio up to 1.5; Single-phase string inverters can provide 97.6% maximum efficiency, 97.3% 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

String inverter can support remote monitoring, fault diagnosis and software upgrade, 7*24H after-sales service can guarantee the maintenance of the Whole Life Cycle.

Model Name	CPS SCA4KTL-SM/EU	CPS SCA5KTL-SM/EU	CPS SCA6KTL-SM/EU
DC Input			
Max. DC Voltage	600Vdc		
MPPT Operating Voltage Range	70-580Vdc		
Start Voltage	90Vdc		
Rated DC Voltage	360Vdc		
Number of MPPT	2		
Number of DC Connection Sets per MPPT	1		
Max. input current per MPPT	13A/13A		
Max. DC short-circuit current per MPPT	15A		
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	4000W	5000W	6000W
Max. AC Power	4400VA	5500VA	6600VA
Rated AC Voltage	220V, 230V, 240V		
Rated AC Voltage Range	180- 280V		
Grid Connection Type	L + N + PE		
Max. AC Current	19.1A	23.8A	28.6A
Grid Frequency	50/60Hz		
Grid Frequency Range	45-55/55-65Hz		
Power Factor (cosφ)	±0.8(adjustable)		
Current THD	< 3%		
AC Disconnection Type	-		
System Data			
Topology	Transformerless		
Max. Efficiency	97.6%	97.8%	98.0%
Euro Efficiency	97.3%	97.3%	97.4%
Consumption at Standby/Night	< 6W/1W		
Protection			
DC reverse connection protection	Yes		
AC short circuit protection	Yes		
Leakage current protection	Yes		
Grid monitoring	Yes		
Ground fault monitoring	Yes		
Surge Protection	AC Type III		
Environment Data			
Ingress Protection	IP65		
Cooling Method	Natural Convection		
Operating Temperature	-25°C to +60°C		
Ambient Humidity	0 - 100%, Non-condensing		
Altitude	4000m		
Display and Communication			
Display	LED + APP(Bluetooth)		
Communication	RS232(Standard) / Wi-Fi & 4G (Optional)		
Mechanical Data			
Dimensions (W*H*D)	335 * 426 * 125mm		
Weight	12.8kg		
DC Connection Type	MC4		
AC Connection Type	Plug and play connector		
Safety			
Certifications	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068,IEC 61683, EN 50549,CEI 0-21,RD 1699,CNAS		