

CPS SCA3~6KTL-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 Wi-Fi/RS485/4G 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

Single-phase string inverters can provide 98.0% 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

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 SCA3KTL-SM/EU	CPS SCA4KTL-SM/EU	CPS SCA4.6KTL-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				
String Fuse	N/A				
DC Disconnection Type	Integrated Switch				
AC Output					
Rated AC Power	3000W	4000W	4600W	5000W	6000W
Max. AC Power	3300VA	4400VA	4600VA	5500VA	6600VA
Rated AC Voltage	220V, 230V				
AC Voltage Range ¹	160-300V				
Grid Connection Type	L + N + PE				
Max. AC Current	14.3A	19.1A	20.0A	23.8A	28.6A
Grid Frequency	50/60Hz				
Grid Frequency Range ¹	45-55/55-65Hz				
Power Factor (cosφ)	±0.8(adjustable)				
Current THD	< 3%				
AC Disconnection Type	-				
System Data					
Topology	Transformerless				
Max. Efficiency	97.6%	97.6%	97.6%	97.8%	98.0%
Euro Efficiency	97.3%	97.3%	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				
AFCI	N/A				
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	WiFi(Standard) & RS485/4G(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 ²	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068, IEC 61683,EN 50549,CEI 0-21,RD 1699,UNE 217001,CNAS,VDE 4105				

¹ "AC Voltage Range" and "Grid Frequency Range" may be differ according to specific grid codes.
² The certificates are for reference only,Please consult the local sales staff for detailed certification.