

CPS SCA5/6KTL-PSM1/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 97.2% maximum efficiency, 96.3% Euro efficiency, 99.5%MPPT efficiency, fanless 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 SCA5KTL-PSM1/EU	CPS SCA6KTL-PSM1/EU
DC Input		
Max. DC Voltage	500Vdc	
MPPT Operating Voltage Range	70-540Vdc	
Start Voltage	90Vdc	
Rated DC Voltage	360Vdc	
Number of MPPT	2	
Number of DC Connection Sets per MPPT	1	
Max. input current per MPPT	15A	
Max. DC short-circuit current per MPPT	20A	
String Fuse	/	
DC Disconnection Type	Integrated Switch	
AC Output		
Rated AC Power	5KW	6KW
Max. AC Power	5.5KVA	6KVA
Rated AC Voltage	220/230V	
AC Voltage Range ¹	160 - 300V	
Grid Connection Type	L/N/PE	
Max. AC Current	25A	27.3A
Grid Frequency	50/60Hz	
Grid Frequency Range ¹	45-55/55-65Hz	
Power Factor (cosφ)	>0.99(±0.8 adjustable)	
Current THD	< 3%	
AC Disconnection Type	/	
System Data		
Topology	Transformerless	
Max. Efficiency	97.2%	97.2%
Euro Efficiency	96.2%	96.3%
Consumption at Night	< 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	DC TypeII / AC Type II	
AFCI	Option	
Environment Data		
Ingress Protection	IP65	
Cooling Method	Natural Convection	
Operating Temperature	-25°C to +60°C	
Ambient Humidity	0 - 100%	
Altitude	4000m	
Display and Communication		
Display	LED + APP(Bluetooth)	
Communication	RS485 / Wi-Fi (Standard) & 4G (Optional)	
Mechanical Data		
Dimensions (W*H*D)	350 * 347 * 137mm	
Weight	8.5kg	
DC Connection Type	MC4 (Max. 6mm ²)	
AC Connection Type	Plug and play connector	
Safety		
Certifications ²	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,VDE 4105,CEI 0-21,EN50549-1,VDE0126-1-1,NTS type A,UNE 217002,RD 647, UNE 217001,INMETRO PORTARIA N° 140,AS4777.2	

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.