

CPS SCA4.6~6KTL-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 98.2% maximum efficiency, 97.4% Euro efficiency, 99.5%MPPT efficiency, fanless topologydesign and international knowndevice options, which can guarantee the profits of the Whole LifeCycle.

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 SCA4.6KTL-PSM1/EU	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/15A		
Max. DC short-circuit current per MPPT	20A		
String Fuse	N/A		
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	4.6KW	5KW	6KW
Max. AC Power	5.06KVA	5.5KVA	6KVA
Rated AC Voltage	220V/230V/240V		
AC Voltage Range¹	160 - 300V		
Grid Connection Type	L/N/PE		
Max. AC Current	23A	25A	27.3A
Grid Frequency	50/60Hz		
Grid Frequency Range¹	45-55/55-65Hz		
Power Factor (cosφ)	>0.99(±0.8 adjustable)		
Current THD	< 3%		
AC Disconnection Type	-		
System Data			
Topology	Transformerless		
Max. Efficiency	98.2%	98.2%	98.2%
Euro Efficiency	97.3%	97.4%	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	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%, Non-condensing		
Altitude	4000m		
Display and Communication			
Display	LED + APP(Bluetooth)		
Communication	WiFi(Standard) & RS485/4G(Optional)		
Mechanical Data			
Dimensions (W*H*D)	350 * 344 * 137mm		
Weight	8.5kg		
DC Connection Type	MC4		
AC Connection Type	Plug and play connector		
Safety			
Certifications²	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068,IEC 61683,EN 50549,CEI 0-21,RD 1699, UNE 217001/2,CNAS,VDE 4105,NTS,RD467,NC RfG		

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.