

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 98.2% maximum efficiency, 97.4% Euro efficiency, 99.5%MPPT efficiency, fanless topology design and international knowndevise 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 SCA5KTL-PSM1/EU	CPS SCA6KTL-PSM1/EU
DC Input		
Max. input power	7.5kW	9kW
Max. DC Voltage		550Vdc
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		/
DC Disconnection Type		Integrated Switch
AC Output		
Rate apparent power	5KVA	6KVA
Max. AC Power	5.5KVA	6KVA
Rated AC Voltage		220V/230V
AC Voltage Range ¹		160 - 300V
Grid Connection Type		L/N/PE
Rated Output Current	21.7A	26.1A
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	98.2%	98.2%
Euro Efficiency	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 Typell / 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(> 2000m derating)
Display and Communication		
Display		LED + APP(Bluetooth)
Communication		RS485 / Wi-Fi (Standard) & 4G (Optional)
Mechanical Data		
Dimensions (W*H*D)		347 * 350 * 137mm
Weight		8.5kg
DC Connection Type		MC4 (Max. 6 mm ²)
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, NTS, RD467, NC RfG, CEI 0-21, RD 1699, UNE 217001/2, CNAS, VDE 4105, AS/NZS 4777.2:2020+A1	

¹ "AC Voltage Range" and "Grid Frequency Range" may differ according to specific grid codes.

² The certificates are for reference only. Please consult the local sales staff for detailed certification.

^{*} made in china