

CPS SCA4.6~6KTL-PSM1/EU

Single-Phase String Inverter

4.6~6kW • 2 MPPTs • 550Vdc System



Efficient

Appealing yield

- 2 MPPTs with Max. Efficiency 97.20%
- Easily compatible with various PV modules based on max. input current 15A per MPPT
- 150% DC/AC ratio
- Lower startup & wider MPPT voltage

Smart

Pragmatic option

- Communication interfaces [RS485/Wi-Fi (Standard) & 4G (Optional)]
- Built-in Bluetooth and App for local and remote monitoring
- Support zero export by meter

Safe

Solid quality

- Durable and robust component
- IP65 &C5 protection
- Type II SPD for both DC and AC

Model Name	CPS SCA4.6KTL-PSM1/EU		CPS SCA5KTL-PSM1/EU		CPS SCA6KTL-PSM1/EU	
DC Input						
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					
Max. DC short-circuit current per MPPT	20A					
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	220/230V					
AC Voltage Range ¹	160 - 300V					
Grid Connection Type	L/N/PE					
Max. AC Current	23A		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%					
System Data						
Topology	Transformerless					
Max. Efficiency	97.20%		97.20%		97.20%	
Euro Efficiency	96.00%		96.20%		96.30%	
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 Type II / AC Type II					
AFCI	Yes					
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	8.6kg					
DC Connection Type	MC4 (Max. 6mm²)					
AC Connection Type	Plug and play connector					
Safety						
Certifications ²	IEC/EN62109-1/2, IEC/EN61000-6/3, IEC 61727,IEC 62116, VDE 4105, CEI 0-21, EN 50549-1, VDE0126-1-1, NTS type A, UNE 217002, RD 647, UNE 217001, INMETRO PORTARIAN N°140, AS4777.2					

^{*1} AC Power is different under different rated AC voltage.
^{*2} The certificates are for reference only.Please consult the local sales staff for detailed certification.
^{*3} For reference only. Chint Power reserve the right to alterations for the data above.