

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 97.2%
- 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	97.2%	97.2%	97.2%	
Euro Efficiency	96.0%	96.2%	96.3%	
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	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 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.