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

Safety

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.