

# 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
- $\geq 150\%$  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
<b>DC Input</b>			
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	
String Fuse		/	
DC Disconnection Type		Integrated Switch	
<b>AC Output</b>			
Rated AC Power	4.6kW	5kW	6kW
Max. AC Power	5.06kVA	5.5kVA	6kVA
Rated AC Voltage		220/230V	
AC Voltage Range <sup>1</sup>		160 - 300V	
Grid Connection Type		L/N/PE	
Max. AC Current	23A	25A	27.3A
Grid Frequency		50/60Hz	
Grid Frequency Range <sup>1</sup>		45-55/55-65Hz	
Power Factor (cosφ)		>0.99(±0.8 adjustable)	
Current THD		< 3%	
AC Disconnection Type		/	
<b>System Data</b>			
Topology		Transformerless	
Max. Efficiency	97.2%	97.2%	97.2%
Euro Efficiency	96.0%	96.2%	96.3%
Consumption at Night		< 1W	
<b>Protection</b>			
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		Option	
<b>Environment Data</b>			
Ingress Protection		IP65	
Cooling Method		Natural Convection	
Operating Temperature		-25°C to +60°C	
Ambient Humidity		0 - 100%	
Altitude		4000m	
<b>Display and Communication</b>			
Display		LED + APP(Bluetooth)	
Communication		RS485/Wi-Fi (Standard) & 4G (Optional)	
<b>Mechanical Data</b>			
Dimensions (W*H*D)		350 * 347 * 137mm	
Weight		8.5kg	
DC Connection Type		MC4 (Max. 6mm <sup>2</sup> )	
AC Connection Type		Plug and play connector	
<b>Safety</b>			
Certifications <sup>2</sup>	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		

<sup>1</sup> AC Power is different under different rated AC voltage.

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