CPS SCA5~25KTL-T1/EU

Three-Phase String Inverter
5-25kW • 2 MPPTs • 1100Vdc System



Efficient

Appealing yield

- 2 MPPTs with Max. Efficiency 98.2%
- Easily compatible with various PV modules based on max. input current 15A per string
- ≥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 SCA5KTL-T1/EU	CPS SCA6KTL-T1/EU	CPS SCA8KTL-T1/EU	CPS SCA10KTL-T1/EU	CPS SCA15KTL-T1/EU	CPS SCA20KTL-T1/EU	CPS SCA25KTL-T1/EU
DC Input							
Max. DC Voltage	1100Vdc						
MPPT Operating Voltage Range	160 - 1000Vdc						
Start Voltage	180Vdc						
Rated DC Voltage	620Vdc						
Number of MPPT	2				2	2	
Number of DC Connection Sets per MPPT	1				2/1	2	
Max. input current per MPPT	15A				30A/15A	30A	
Max. DC short-circuit current per MPPT	20A				40A/20A	40A	
String Fuse	/						
DC Disconnection Type	Integrated Switch						
AC Output							
Rated AC Power	5KW	6KW	8KW	10kW	15kW	20kW	25kW
Max. AC Power	5.5KVA	6.6KVA	8.8KVA	11.2KVA	16.7kVA	22kVA	27.5kVA
Rated AC Voltage	380/400/415V						
AC Voltage Range[1]	260 - 510V						
Grid Connection Type	3Φ / N / PE						
Max. AC Current	8.4A	10.1A	13.4A	17.0A	25.3A	33.7A	39.8A
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	98.0%	98.0%	98.0%	98.0%	98.2%	98.2%	98.2%
Euro Efficiency	97.4%	97.4%	97.4%	97.4%	97.6%	97.7%	97.7%
Consumption at Night	<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 Type II / AC Type II						
AFCI	Option						
Environment Data							
Ingress Protection	IP66						
Cooling Method	Natural Convection					Cooling Fans	
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)	398 * 460 * 190mm						
Weight	16.8kg				18.7kg	20.1kg	20.3kg
DC Connection Type	MC4 (Max. 6 mm²)						
AC Connection Type	OT/DT Terminal						
Safety							
Certifications[2]	EN/IEC 62109,IEC 61727,IEC61000-6,EN 50549-1,RD 1699,UNE 217001,VDE 4105,CEI 0-21, AS4777.2,TOR Erzeuger Typ A						

*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.