

CPS SCA30KTL-T1/EU

Three-Phase String Inverter
30kW • 2 MPPTs • 1000Vdc System



Efficient

Appealing yield

- 2 MPPTs with Max. Efficiency 98.3%.
- Easily compatible with various PV modules based on max. input current 40.5A per MPPT.
- $\geq 150\%$ DC/AC ratio.
- Lower startup & wider MPPT voltage.



Smart

Pragmatic option

- Communication interfaces [RS485/Wi-Fi (Standart) & Ethernet/4G (Optional)].
- Build-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.

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Model Name	CPS SCA30KTL-T1/EU
DC Input	
Max. DC Voltage	1000Vdc
MPPT Operating Voltage Range	250-960Vdc
Start Voltage	250Vdc
Rated DC Voltage	620Vdc
Number of MPPT	2
Number of DC Connection Sets per MPPT	3
Max Input Current per MPPT	40.5A
Max. DC Short-Circuit Current per MPPT	45A
String Fuse	20A
DC Disconnection Type	Integrated Switch
AC Output	
Rated AC Power	30kW
Max. AC Power	33kVA
Rated AC Voltage	380/400/415V
AC Voltage Range ¹	310 - 480V
Grid Connection Type	3Φ/ N / PE
Max. AC Current	48A
Grid Frequency	50/60Hz
Grid Frequency Range ¹	45-55/55-65Hz
Power Factor (cos φ)	> 0.99 (±0.8 Adjustable)
Current THD	< 3%
AC Disconnection Type	/
System Data	
Topology	Transformerless
Max. Efficiency	98.3%

¹ AC Power is different under different rated AC voltage.

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Model Name	CPS SCA30KTL-T1/EU
Euro Efficiency	98.0%
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	/
Environment Data	
Ingress Protection	IP65
Cooling Method	Cooling Fans
Operating Temperature	-25 °C to +60 °C
Ambient Humidity	0% - 100%
Altitude	4000 m
Display and Communication	
Display	LED + APP (Bluetooth)
Communication	RS485/Wi-Fi (Standard) & Ethernet/4G (Optional)
Mechanical Data	
Dimensions (W*H*D)	555 * 470 * 270 mm
Weight	41 kg
DC Connection Type	MC4 (Max. 6 mm ²)
AC Connection Type	OT/DT Terminal (Max. 35 mm ²)
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

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