

CPS SCA50/60KTL-T/EU

Three-Phase String Inverter
50/60kW • 4 MPPTs • 1100Vdc System



Efficient

Appealing yield

- 4 MPPTs with Max. Efficiency 98.3%.
- Easily compatible with various PV modules based on max. input current 39A per MPPT
- $\geq 150\%$ DC/AC ratio.



Smart

Pragmatic option

- Communication interfaces [RS485/ Wi-Fi (Standard) & Ethernet/4G (Optional)]
- Built-in Bluetooth and App for local and remote monitoring
- Smart fan cooling
- Support zero export by meter+CT



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 SCA50KTL-T/EU		CPS SCA60KTL-T/EU
DC Input			
Max. DC Voltage	1100Vdc		
MPPT Operating Voltage Range	200-1000Vdc		
Start Voltage	250Vdc		
Rated DC Voltage	620Vdc		
Number of MPPT	4	4	
Number of DC Connection Sets per MPPT	3/3/2/2	3	
Max. Input Current per MPPT	39A/39A/26A/26A	39A	
Max. DC Short-Circuit Current per MPPT	45A/45A/30A/30A	45A	
String Fuse	20A		
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	50kW	60kW	
Max. AC Power	55kVA	66kVA	
Rated AC Voltage	380/400/415V		
AC Voltage Range ¹	310-490V		
Grid Connection Type	3Φ / N / PE		
Max. AC Current	76A	92A	
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	98.3%		
Euro Efficiency	98.0%		

*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.

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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 (Standart) ve Ethernet/4G (Optional)	
Mechanical Data		
Dimensions (W*H*D)	855 * 555 * 275 mm	
Weight	77 kg	
DC Connection Type	MC4 (Max. 6 mm ²)	
AC Connection Type	OT/DT Terminal (Max. 50 mm ²)	
Safety		
Certifications ²	EN 61000-6, EN/IEC 62109, IEC 61727, IEC 62116, IEC 60068, IEC 61683, EN 50549-1/2, CEI 0-21, CEI 0-16, G99 Tip A/B, UTE C15-712-1, TOR Erzeuger Typ A, UNE 217002&RD1699, UNE 217001	

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