

# 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.

# CPS SCA50/60KTL-T/EU



Model Name	CPS SCA50KTL-T/EU	CPS SCA60KTL-T/EU
<b>DC Input</b>		
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	
<b>AC Output</b>		
Rated AC Power	50kW	60kW
Max. AC Power	55kVA	66kVA
Rated AC Voltage	380/400/415V	
AC Voltage Range <sup>1</sup>	310-490V	
Grid Connection Type	3Φ / N / PE	
Max. AC Current	76A	92A
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	98.3%	
Euro Efficiency	98.0%	

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

# CPS SCA50/60KTL-T/EU



## 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 <sup>2</sup> )
AC Connection Type	OT/DT Terminal (Max. 50 mm <sup>2</sup> )

## Safety

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