

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
- ≥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

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%		
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	4000m		
Display and Communication			
Display	LED + APP(Bluetooth)		
Communication	RS485/Wi-Fi (Standard) & Ethernet/4G (Optional)		
Mechanical Data			
Dimensions (W*H*D)	855 * 555 * 275mm		
Weight	77kg		
DC Connection Type	MC4 (Max. 6mm²)		
AC Connection Type	OT/DT Terminal (Max. 50mm²)		
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 Type A/B,UTE C15-712-1,TOR Erzeuger Typ A,UNE 217002&RD1699,UNE 217001		

^{*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.