

SCA100/125K-T-EU

Three-Phase String Inverter
100/125kW / 12 MPPT / 1100Vdc System



Efficient

Appealing yield

- 12 MPPTs with Max. Efficiency 98.5%.
- Easily compatible with various PV modules based on max. input current 30A per MPPT.
- Superb temperature performance, full power at 50°C(SCA100K-T-EU).
- >150% DC/AC ratio.



Smart

Pragmatic option

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



Safe

Solid quality

- Durable and robust component.
- IP66&C5 protection.
- Type II SPD for both DC and AC.

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Model Name	SCA100K-T-EU	SCA125K-T-EU
DC Input		
Max. DC Voltage	1100Vdc	
Mppt Operating Voltage Range	200 - 950Vdc	
Start Voltage	300Vdc	
Rated DC Voltage	615Vdc	
Number of Mppt	12	
Number of Dc Connection Sets Per Mppt	2	
Max. Input Current Per Mppt	30A	
Max. DC Short-Circuit Current Per Mppt	45A	
String Fuse	/	
Dc Disconnection Type	Integrated Switch	
Ac Output		
Rated AC Power	100kW	125kW
Max. AC Power	110kVA	125kVA
Rated AC Voltage	380 / 400V	
AC Voltage Range ¹	322 - 528V	
Grid Connection Type	3 ϕ / N / PE	
Max. AC Current	167,2	190A
Grid Frequency	50 / 60Hz	
Grid Frequency Range ¹	45-55 / 55-65Hz	
Power Factor (Cos ϕ)	>0.99 (\pm 0.8 adjustable)	
Mevcut Thd	< %3	
Current Thd	/	
System Data		
Topology	Transformerless	
Max. Efficiency	%98,11	T%98,50
Euro Efficiency	%98,00	%98,10
Consumption At Night	<6W	
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 Tip II / AC Tip II	
Environment Data		
Ingress Protection	IP66	
Cooling Method	Cooling Fans	
Operating Temperature	-30°C to +60°C	
Ambient Humidity	%0 - 100	
Altitude	4000m	
Display And Communication		
Display	LED + APP (Bluetooth)	
Communication	RS485/Wi-Fi (Standard) & PLC/Ethernet/4G (Optional)	
Mechanical Data		
Dimensions	1050 * 660 * 340mm	
Weight	90 kg	
Dc Connection Type	MC4 (Maks. 6 mm ²)	
Ac Connection Type	OT/DT Terminal (Max. 120 mm)	
Safety		
Certifications ²	IEC61000, IEC/EN 62109, IEC61727/62116, EN50549, NC RFG, CEI 0-16, CEI 0-21, UNE217001, UNE 217002, NTS_V2.1, VDE-AR-N 4110, VDE-AR-N 4105, UTE-C15	

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.