

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			3Φ / N / PE	
Max. AC Current	167.2		190A	
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	98.11%		98.50%	
Euro Efficiency	98.00%		98.10%	
Consumption at Night			<6W	
Protection				
Anti-islanding Protection			Yes	
DC reverse polarity protection			Yes	
DC overvoltage protection			Yes	
Insulation resistance detection			Yes	
Residual Current Monitoring Unit			Yes	
Ground fault monitoring			Yes	
AC short circuit protection			Yes	
AC overvoltage protection			Yes	
PV string monitoring			Yes	
Dry contact remote control			Yes	
I-V curve scan			Yes	
AFCI			Yes	
Surge Protection			DC Type II / AC Type 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) & 4G (Optional)	
Mechanical Data				
Dimensions (W*H*D)			1050 * 660 * 340mm	
Weight			90kg	
DC Connection Type			MC4 (Max. 6mm²)	
AC Connection Type			OT/DT Terminal(Max. 240mm²)	
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.