

SCA100/125K-T-EU

Three-Phase String Inverter
100/125kW • 12 MPPTs • 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 45°C
- 150% DC/AC ratio

Smart

Pragmatic option

- Communication interfaces [RS485/ Wi-Fi (Standard) & 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

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		
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 / N / PE		
Max. AC Current	167.2A	190A	
Grid Frequency	50 / 60Hz		
Grid Frequency Range ¹	45-55 / 55-65Hz		
Power Factor (cosφ)	>0.99(±0.8 adjustable)		
Current THD	< 3%		
System Data			
Topology	Transformerless		
Max. Efficiency	98.11%	98.50%	
Euro Efficiency	98.00%	98.10%	
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 * 340.5mm		
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.
³ For reference only. Chint Power reserve the right to alterations for the data above.