

SCA5~25K-T-EU

Three-Phase String Inverter
5~25kW • 2 MPPTs • 1100Vdc System



Efficient

Appealing yield

- 2 MPPTs with Max. Efficiency 98.12%
- Easily compatible with various PV modules based on max. input current 15A per string
- 150% DC/AC ratio
- Lower startup & wider MPPT voltage

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

Safe

Solid quality

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

Model Name	SCA5K-T-EU	SCA6K-T-EU	SCA8K-T-EU	SCA10K-T-EU	SCA15K-T-EU	SCA20K-T-EU	SCA25K-T-EU
DC Input							
Max. DC Voltage	1100Vdc						
MPPT Operating Voltage Range	200 - 1000Vdc						
Start Voltage	250Vdc						
Rated DC Voltage	600Vdc						
Number of MPPT	2						
Number of DC Connection Sets per MPPT	1					2	
Max. input current per MPPT	15A					30A	
Max. DC short-circuit current per MPPT	23A					45A	
DC Disconnection Type	Integrated Switch						
AC Output							
Rated AC Power	5kW	6kW	8kW	10kW	15kW	20kW	25kW
Max. AC Power	5.5kVA	6.6kVA	8.8kVA	11kVA	16.5kVA	22kVA	27.5kVA
Rated AC Voltage	380 / 400V						
AC Voltage Range1	277 - 520V						
Grid Connection Type	3 / N / PE						
Max. AC Current	8.4A	10A	13.4A	16.7A	25A	33.4A	41.7A
Grid Frequency	50 / 60Hz						
Grid Frequency Range1	45-55 / 55-65Hz						
Power Factor (cosφ)	>0.99(±0.8 adjustable)						
Current THD	< 3%						
System Data							
Topology	Transformerless						
Max. Efficiency	97.82%	97.87%	97.69%	97.66%	97.87%	97.87%	98.12%
Euro Efficiency	96.93%	96.96%	97.41%	97.41%	97.13%	97.42%	97.87%
Protection							
DC reverse connection protection	Yes						
AC short circuit protection	Yes						
Leakage current protection	Yes						
24h Grid monitoring	Yes						
Ground fault monitoring	Yes						
Surge Protection	DC Type II / AC Type II						
AFCI	Yes						
Environment Data							
Ingress Protection	IP66						
Cooling Method	Cooling Fans						
Operating Temperature	-25°C to +60°C						
Ambient Humidity	0 - 100%						
Altitude	2000m						
Display and Communication							
Display	LED + APP(Bluetooth)						
Communication	RS485 / Wi-Fi (Standard) & 4G (Optional)						
Mechanical Data							
Dimensions (W*H*D)	530 * 426 * 200mm						
Weight	22kg						
DC Connection Type	MC4 (Max. 6 mm²)						
AC Connection Type	OT/DT Terminal (Max.35 mm²)						
Safety							
Certifications2	IEC/EN 61000, IEC/EN 62109, IEC 61727, IEC 62116, IEC 63027, IEC 61683, IEC/EN 62920, EN 55011, C10/11, CEI 0-21, EN50549-1/2, NC RfG, PTPIREE, NTS V2.1, RD 647, RD413, RD 1699, UNE 217002, UTE C15-712-1, DIN VDE 0126-1-1, VDE-AR-N 4105, DIN VDE V 0124, TOR Erzeuger Typ A/B						
*1 "AC Voltage Range" and "Grid Frequency Range" may be differ according to specific grid codes. *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.							