

SCA50/60K-T-EU

Three-Phase String Inverter
50/60kW • 4 MPPTs • 1100Vdc System



Efficient

Appealing yield

- 4 MPPTs with Max. Efficiency 98.49%
- Easily compatible with various PV modules based on max. input current 40A per MPPT
- AFCI function standard
- 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
- Smart fan cooling
- 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	SCA50K-T-EU		SCA60K-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		
Number of DC Connection Sets per MPPT	2		
Max. input current per MPPT	40A		
Max. DC short-circuit current per MPPT	50A		
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	50kW		60kW
Max. AC Power	55kVA		66kVA
Rated AC Voltage	380 / 400V		
Grid Connection Type	3 / N / PE		
Max. AC Current	83.6A		100.3A
Grid Frequency	50 / 60Hz		
Grid Frequency Range*	45-55 / 55-65Hz		
Power Factor (cosφ)	>0.99(±0.8 adjustable)		
Current THD	< 3%		
System Data			
Topology	Transformerless		
Max. Efficiency*	98.49%		98.48%
Euro Efficiency*	98.44%		98.43%
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		
PID Recovery	Yes		
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 / Ethernet (Optional)		
Mechanical Data			
Dimensions (W*H*D)	713 * 609 * 306mm		
Weight	50.5kg		
DC Connection Type	MC4 (Max. 6 mm²)		
AC Connection Type	OT/DT Terminal (Max.70 mm²)		
*1 "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.			