

# 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
- 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
<b>DC Input</b>		
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	
<b>AC Output</b>		
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%	
<b>System Data</b>		
Topology	Transformerless	
Max. Efficiency*	98.49%	98.48%
Euro Efficiency*	98.44%	98.43%
<b>Protection</b>		
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	
<b>Environment Data</b>		
Ingress Protection	IP66	
Cooling Method	Cooling Fans	
Operating Temperature	-30°C to +60°C	
Ambient Humidity	0 - 100%	
Altitude	4000m	
<b>Display and Communication</b>		
Display	LED + APP(Bluetooth)	
Communication	RS485 / Wi-Fi (Standard) & 4G / Ethernet (Optional)	
<b>Mechanical Data</b>		
Dimensions (W*H*D)	713 * 609 * 306mm	
Weight	50.5kg	
DC Connection Type	MC4 (Max. 6 mm <sup>2</sup> )	
AC Connection Type	OT/DT Terminal (Max.70 mm <sup>2</sup> )	

\*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.