

# SCA5~25K-T/EU

## Three-Phase String Inverter

5~25kW • 2 MPPTs • 1100Vdc System



### Efficient

#### Appealing yield

- 2 MPPTs with Max. Efficiency 98.2%
- 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
<b>DC Input</b>							
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			
String Fuse	/						
DC Disconnection Type	Integrated Switch						
<b>AC Output</b>							
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	3Φ / 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%						
AC Disconnection Type	/						
<b>System Data</b>							
Topology	Transformerless						
Max. Efficiency	98.20%						
Euro Efficiency	97.80%						
Consumption at Night	<5W						
<b>Protection</b>							
DC reverse connection protection	Yes						
AC short circuit protection	Yes						
Leakage current protection	Yes						
Grid monitoring	Yes						
Ground fault monitoring	Yes						
Surge Protection	DC Type II / AC Type II						
AFCI	/						
<b>Environment Data</b>							
Ingress Protection	IP66						
Cooling Method	Cooling Fans						
Operating Temperature	-25°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 (Optional)						
<b>Mechanical Data</b>							
Dimensions (W*H*D)	416*526*205mm						
Weight	22kg						
DC Connection Type	MC4 (Max. 6 mm <sup>2</sup> )						
AC Connection Type	OT/DT Terminal (Max.35 mm <sup>2</sup> )						

\*1 For South-America market.  
 \*2 AC Power is different under different rated AC voltage.  
 \*3 The certificates are for reference only. Please consult the local sales staff for detailed certification.