

# CPS SCA5~25KTL-T1/EU

Chint Power String Inverter  
High Return of the Whole Life Cycle



## Low Investment

Three-phase string series inverters products providing standard configuration DC switch and RS485/Wi-Fi/4G communication, which can match the requirements of different customers, support 10% rated overload and no-screen design, which can efficiently decrease initial investment of system.

## High Profits

Three-phase string inverters can provide 98.3% maximum efficiency, 97.8% Euro efficiency, 99.5% MPPT efficiency, fanless topology design and international known device options, which can guarantee the profits of the Whole Life Cycle.

## Maintenance Warranty

String inverter can support remote monitoring, fault diagnosis and software upgrade, 7\*24H after-sales service can guarantee the maintenance of the Whole Life Cycle.

Model Name	CPS SCA5K-T1/EU	CPS SCA6KTL-T1/EU	CPS SCA8KTL-T1/EU	CPS SCA10KTL-T1/EU	CPS SCA15KTL-T1/EU	CPS SCA20KTL-T1/EU	CPS SCA25KTL-T1/EU
<b>DC Input</b>							
Max. DC Voltage	1100Vdc						
MPPT Operating Voltage Range	160 - 1000Vdc						
Start Voltage	180Vdc						
Rated DC Voltage	620Vdc						
Number of MPPT	2			2		2	
Number of DC Connection Sets per MPPT	1/1			2/1		2	
Max. input current per MPPT	15A			30A/15A		30A	
Max. DC short-circuit current per MPPT	20A			40A/20A		40A	
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 Range <sup>1</sup>	260 - 510V						
Grid Connection Type	3Φ / N / PE						
Max. AC Current	8.4A	10.1A	13.4A	16.8A	25.3A	33.7A	37A
Grid Frequency	50/60Hz						
Grid Frequency Range <sup>1</sup>	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	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%	98.3%
Euro Efficiency	97.8%	97.8%	97.8%	97.8%	97.8%	97.8%	97.8%
Consumption at Standby/Night	<1W						
<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	Option						
<b>Environment Data</b>							
Ingress Protection	IP66						
Cooling Method	Natural Convection					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)	398 * 460 * 190mm						
Weight	23kg						
DC Connection Type	MC4 (Max. 6mm <sup>2</sup> )						
AC Connection Type	OT/DT Terminal						
<b>Safety</b>							
Certifications <sup>2</sup>	EN/IEC 62109,IEC 61727,IEC61000-6,EN 50549-1,RD 1699,UNE 217001,VDE 4105,CEI 0-21, AS4777.2, TOR Erzeuger Typ A						

<sup>1</sup> "AC Voltage Range" and "Grid Frequency Range" may be differ according to specific grid codes.  
<sup>2</sup> The certificates are for reference only.Please consult the local sales staff for detailed certification.