

# CPS SCA6~25KTL-T1/EU

Chint Power String Inverter  
High Return of the Whole Life Cycle



## Low Investment

Three-phase string series inverters provide 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 98.4% maximum efficiency, 98.0% 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 SCA6KTL-T1/EU	CPS SCA10KTL-T1/EU	CPS SCA15KTL-T1/EU	CPS SCA20KTL-T1/EU	CPS SCA25KTL-T1/EU
<b>DC Input</b>					
Max. input power	9kW	15kW	22.5kW	30kW	37.5kW
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		2/2
Max. input current per MPPT	15A/15A		30A/15A		30A/30A
Max. DC short-circuit current per MPPT	20A/20A		40A/20A		40A/40A
String Fuse	/				
DC Disconnection Type	Integrated Switch				
<b>AC Output</b>					
Rated apparent power	6kVA	10kVA	15kVA	20kVA	25kVA
Max. AC Power	6.6kVA	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				
Rated Output Current	8.7A	14.5A	21.7A	29A	36.2A
Max. AC Current	10.1A	17A	25.3A	33.7A	39.8A
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	98.2%	98.2%	98.3%	98.4%	98.4%
Euro Efficiency	97.8%	97.8%	97.8%	98.0%	98.0%
Consumption at Standby/Night	<25W/<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(> 2000m derating)				
<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	16.8kg	16.8kg	18.7kg	20.1kg	20.3kg
DC Connection Type	MC4 (Max. 6 mm <sup>2</sup> )				
AC Connection Type	OT/DT Terminal				
<b>Safety</b>					
Certifications <sup>2</sup>	EN 61000-6-EN/IEC 62109, IEC 61727, IEC 62116, IEC 60068, IEC 61683, EN 50549, RD467, NC RIG, AS/NZS 4777.2:2020+A1				

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