

# CPS SCA6~15KTL-T/EU

Chint Power String Inverter  
High Return of the Whole Life Cycle



## Low Investment

Three-phase string series inverters not only are diversified products providing optional DC switch, integrated DC combiner box, optional PID protection module and GPRS/Wi-Fi/RS485 wireless communication, which can match the requirements of different customers, but also can support 10% rated overload which can efficiently decrease initial investment of system.

## High Profits

Three-phase string inverters can provide 98.2% maximum efficiency, 97.8% Euro efficiency, 99.5% MPPT efficiency, fan-less topology design and international known device options, which can guarantee the profits of the Whole Life Cycle.

## Maintenance Warranty

Three-phase string inverters can provide standard warranty for 5 years, optional extended warranty for 10-25 years and smart operation platform, which can efficiently guarantee the maintenance of the Whole Life Cycle.

Model Name	CPS SCA6KTL-T/EU	CPS SCA8KTL-T/EU	CPS SCA10KTL-T/EU	CPS SCA12KTL-T/EU	CPS SCA15KTL-T/EU
<b>DC Input</b>					
Rated DC Power	6500W	8500W	10500W	12500W	15500W
Max. DC Voltage	1000Vdc				
MPPT Voltage Range	160 - 950Vdc				
MPPT Voltage Range (Full Load)	300 - 800Vdc	380 - 800Vdc	470 - 800Vdc	380 - 800Vdc	470 - 800Vdc
Rated DC Voltage	620Vdc				
Start Voltage	200Vdc				
Max. DC Current PV1 / PV2	11A / 11A			11A / 22A	
Number of DC Connection Sets per MPPT	1 / 1			1 / 2	
Number of MPPT	2				
DC Switch	Standard				
<b>AC Output</b>					
Rated AC Power	6000W	8000W	10000W	12000W	15000W
Max. AC Power	6600VA	8800VA	11000VA	13200VA	16500VA
Max. AC Current	10A	13A	16A	19A	23A
Rated AC Voltage/Range	380V,400V / 277- 510V				
Grid Frequency	50Hz,60Hz / 45-55Hz,55-65Hz				
Power Factor (cos φ)	± 0.8 ( adjustable )				
Current THD	< 3%				
Grid Connection Type	3W + N + PE				
<b>Efficiency</b>					
Max. Efficiency	98.0%	98.0%	98.1%	98.2%	98.2%
Euro Efficiency	97.6%	97.7%	97.8%	97.8%	97.8%
<b>Protection</b>					
DC Over-current Protection	Integrated				
DC Insulation Monitoring	Integrated				
DC Reverse-Polarity Protection	Integrated				
Surge Protection	AC Class III				
Leakage Current Protection	Integrated				
AC Short Circuit Current Protection	Integrated				
Anti-islanding Protection	Integrated				
<b>Interface</b>					
AC Connection	Plug-in Connector				
DC Connection	MC4 / H4				
LCD / LED Display	LED+ APP ( Bluetooth )				
Language	English				
Communication	RS485 ( Standard ) / Wi-Fi & GPRS ( Optional )				
<b>General Data</b>					
Topology	Transformerless				
Operating Temperature Range	-25°C to +60°C				
Cooling Method	Natural Convection				
Ambient Humidity	0 - 100%				
Altitude	4000m				
Noise	< 25dBA				
Ingress Protection	IP65				
Dimensions (W*H*D) [mm]	380 * 480 * 176				
Weight [kg]	19.8			21.8	
Warranty [year]	5 ( Standard ) / 10 ( Optional )				
Certifications	IEC62109-1/2,IEC61000-6-1/2/3/4, CQC NB/T 32004,VDE-AR-N 4105,IEC61727,B30IEC62116,VDE 0126-1-1,CNCA/CTS0002-2014,IEC 60068,IEC61683,EN50530				

\* "Output Voltage Range" and "Output Frequency Range" may be differ according to specific grid codes.