

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
DC Input					
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				
AC Output					
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				
Efficiency					
Max. Efficiency	98.0%	98.0%	98.1%	98.2%	98.2%
Euro Efficiency	97.6%	97.7%	97.8%	97.8%	97.8%
Protection					
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				
Interface					
AC Connection	Plug-in Connector				
DC Connection	MC4 / H4				
LCD / LED Display	LED+ APP (Bluetooth)				
Language	English				
Communication	RS485 (Standard) / Wi-Fi & GPRS (Optional)				
General Data					
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.