

# CPS SCA110KTL-DO/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, integrated DC combiner box, RS485/Wi-Fi/4G/PLC communication, which can match the requirements of different customers, support 10% rated overload 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, advanced 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 SCA110KTL-DO/EU	CPS SCA110KTL-DO/EU2
<b>DC Input</b>		
Max. DC Voltage	1100Vdc	
MPPT Operating Voltage Range	200-1000Vdc	
Start Voltage	300Vdc/100W	
Rated DC Voltage	620V	
Number of MPPT	9	12
Number of DC Connection Sets per MPPT	2	1
Max. input current per MPPT	26A*9	26A*12
Max. DC short-circuit current per MPPT	40A	
String Fuse	N/A	
DC Disconnection Type	Integrated Switch	
<b>AC Output</b>		
Rated AC Power	100kW	
Max. AC Power	110kVA	
Rated AC Voltage	380V/400V	
AC Voltage Range <sup>1</sup>	322~528Vac	
Grid Connection Type	3Φ / N / PE	
Max. AC Current	160A	
Grid Frequency	50/60Hz	
Grid Frequency Range <sup>1</sup>	47-53/57-63Hz	
Power Factor (cosφ)	>0.99(±0.8 adjustable)	
Current THD	< 3%	
AC Disconnection Type	-	
<b>System Data</b>		
Topology	Transformerless	
Max. Efficiency	98.4%	
Euro Efficiency	98.0%	
Consumption at Standby/Night	< 30W / < 6W	
<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	N/A	
<b>Environment Data</b>		
Ingress Protection	IP66	
Cooling Method	Cooling Fans	
Operating Temperature	-30°C to +60°C	
Ambient Humidity	0 - 100%, Non-condensing	
Altitude	4000m	
<b>Display and Communication</b>		
Display	LED + APP(Bluetooth)	
Communication	RS485/Wi-Fi (Standard) & 4G/PLC (Optional)	
<b>Mechanical Data</b>		
Dimensions (W*H*D)	1050 * 660* 340mm	
Weight	86kg	
DC Connection Type	MC4	
AC Connection Type	OT/DT Terminal	
<b>Safety</b>		
Certifications <sup>2</sup>	IEC61000-6,IEC/EN 62109,IEC61727/62116/61683/60068,EN50549	

<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.