

CPS SCA110KTL-DO/EU

Chint Power Three-phase 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 RS485/Ethernet/PLC 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 98.8% maximum efficiency, 98.4% 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
DC Input	
Max. DC Voltage	1100Vdc
MPPT Voltage Range (Full Load)	480-870Vdc
Rated DC Voltage	615Vdc
Number of MPPT	9
Number of DC Connection Sets per MPPT	2
Max. DC Current	9*26A
Max. Current for input connector	13A
DC Disconnection Type	Integrated Switch
AC Output	
Rated AC Power	100kW
Max. AC Power	110kVA
Rated AC Voltage	400Vac
AC Voltage Range*	322~528Vac
Grid Connection Type	3 Φ / N(Optional) / PE
Max. AC Current	167A
Rated Frequency	50Hz / 60Hz
Grid Frequency Range*	47 - 53 Hz/ 57 - 63Hz
Power Factor (cos ϕ)	\pm 0.8 (adjustable)
Current THD	< 3%
AC Disconnection Type	-
System Data	
Topology	Transformerless
Max. Efficiency	98.80%
Euro Efficiency	98.40%
Consumption at Night	< 6W
Environment Data	
Ingress Protection	IP66
Cooling Method	Cooling Fans
Operating Temperature Range	-30°C ~ 60°C (derating from +45°C)
Ambient Humidity	0 - 100%, Non-condensing
Altitude	4000m
Display and Communication	
Display	LED+ APP (Wi-Fi)
Communication	RS485 (Standard) / Ethernet & PLC (Optional)
Mechanical Data	
Dimensions (W*H*D) [mm]	1050x660x340
Weight [kg]	86
Safety	
Certifications	IEC/EN 61000-6-2, IEC/EN 61000-6-4, IEC/EN 62109-1/2, IEC 61727, IEC 62116, IEC 60068-2, IEC 61683

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