

# CPS SCA30KTL-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 98.8% maximum efficiency, 98.4% 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 SCA30KTL-T/EU
<b>DC Input</b>	
Rated DC Power	31kW
Max. DC Voltage	1000Vdc
MPPT Voltage Range (Full Load)	480 - 850Vdc
MPPT Voltage Range	200 - 950Vdc
Rated DC Voltage	620Vdc
Start Voltage	250Vdc
Min. DC Voltage	200Vdc
Max. DC Current	3 * 23A
Max. Number of DC Connection Sets	2+2+2
Number of MPPT	3
DC Switch	Optional
<b>AC Output</b>	
Rated AC Power	30kW
Max. AC Power	33kVA
Max. AC Current	48A
Rated AC Voltage/Range	380V , 400V / 340 - 440V
Grid Frequency	50Hz,60Hz / 45-55Hz,55-65Hz
Power Factor (cosφ)	±0.8 (adjustable)
Current THD	< 3%
Grid Connection Type	3W + N + PE
<b>Efficiency</b>	
Max. Efficiency	98.8%
Euro Efficiency	98.4%
MPPT Efficiency	> 99.5%
<b>Protection</b>	
DC Over-current Protection	Integrated
AC Short Circuit Current Protection	Integrated
DC Reverse-Polarity Protection	Integrated
Surge Protection	DC Class II, AC Class II
DC Insulation Monitoring	Integrated
Leakage 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%, Non-condensing
Altitude	4000m
Noise	< 30dBA
Ingress Protection	IP65
Dimensions (W*H*D) [mm]	550 * 695 * 278
Weight [kg]	53
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,IEC62116,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.