

CPS SCA30KTL

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, standard class II lightning protection, optional string detecting board, 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
DC Input	
Max. 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
AC Output	
Rated AC Power	30kW
Max. AC Power	33kVA
Max. AC Current	48A
Rated AC Voltage/Range	380V , 400V / 277 - 520V
Grid Frequency	50 ± 5Hz
Power Factor (cosφ)	±0.8 (adjustable)
Current THD	< 3%
Grid Connection Type	3W + N + PE
Efficiency	
Max. Efficiency	98.8%
Euro Efficiency	98.4%
MPPT Efficiency	> 99.5%
Protection	
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
Interface	
AC Connection	Plug-in Connector
DC Connection	MC4 / H4
LCD / LED Display	LED+ APP (Bluetooth) , LCD (Optional)
Language	Chinese / 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%, 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.