

CPS SCA30~36KTL-T/SA (208/220/240)



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/Ethernet/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, advanced 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 20 years and smart operation platform, which can efficiently guarantee the maintenance of the Whole Life Cycle.

Model Name	CPS SCA30KTL-T/SA		CPS SCA36KTL-T/SA	
DC Input				
Max. DC Power	36kW		42kW	
Max. DC Voltage	800Vdc		800Vdc	
MPPT Voltage Range	200-750Vdc			
MPPT Voltage Range (Full Load)	300 - 680Vdc		300-680Vdc	
Start Voltage	250Vdc			
Rated DC Voltage				
Number of MPPT/Max. Number of DC Connection Sets	4/3+3+2+2		4/3+3+3+3	
Max. DC Current	110A (33/33/22/22)		132A (33/33/33/33)	
DC Disconnection Type	Integrated Switch			
AC Output				
Rated AC Power	208Vac	27.5kW	208Vac	32.5kW
	220Vac	29kW	220Vac	34.5kW
	240Vac	31.5kW	240Vac	37.5kW
Max. AC Power	33kVA		40kVA	
Rated AC Voltage	208V/220V/240Vac			
AC Voltage Range*	150V-300Vac(adjustable)			
Grid Connection Type	3 Φ / N(Optional) / PE			
Max. AC Current	83A		92A	
Rated Frequency	50Hz/60Hz			
Grid Frequency Range*	45Hz-55Hz/55Hz-65Hz			
Power Factor (cos ϕ)	\pm 0.8 (adjustable)			
Current THD	< 3%			
AC Disconnection Type	-			
System Data				
Topology	Transformerless			
Max. Efficiency	98.80%		98.80%	
Euro Efficiency	98.40%		98.40%	
Consumption at Standby/Night	< 20W / < 1W			
Environment Data				
Ingress Protection	IP65			
Cooling Method	Fan Cooling			
Operating Temperature Range	-25°C - +60°C			
Ambient Humidity	0 - 100%			
Altitude	4000m			
Display and Communication				
Display	Bluetooth & APP +LED, LCD(Optional)			
Communication	RS485,WiFi(Optional),GPRS(Optional),Ethernet(Optional)			
Mechanical Data				
Dimensions (W*H*D) [mm]	855*565*275			
Weight [kg]	67			
Safety				
Certifications	LVD:2006/95/EC EMC:2004/108/EC,IEC/EN 62109-1:2010,IEC/EN 62109-2: 2011; IEC/EN61000-6-2:2005, IEC/EN61000-6-3:2007,NB/T 320004-2014;GT/T19964-2012			

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