

CPS SCA50~60KTL-DO

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/PLC/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 99% maximum efficiency, 98.5% 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 10-25 years and smart operation platform, which can efficiently guarantee the maintenance of the Whole Life Cycle.

Model Name	CPS SCA50KTL-DO/480	CPS SCA60KTL-DO/480
DC Input		
Rated DC Power	51.5kW	61.5kW
Max. DC Power/Max. DC Power per MPPT	67.5kW / 22.5kW	81kW / 27kW
Max. DC Voltage	1100Vdc	
MPPT Voltage Range	200-1000Vdc	
MPPT Voltage Range (Full Load)	540 - 850Vdc	
Start Voltage/Power	330Vdc / 80W	
Rated DC Voltage	780Vdc	
Number of MPPT/Max. Number of DC Connection Sets	3 / 3	3 / 4
Max. DC Current	33 * 3A	38 * 3A
DC Disconnection Type	Integrated Switch	
AC Output		
Rated AC Power	50kW	60kW
Max. AC Power	55kVA	66kVA
Rated AC Current	3 * 277 / 480Vac	
AC Voltage Range*	422 - 528Vac	
Grid Connection Type	3Φ / N(Optional) / PE	
Max. AC Current	67A	80A
Rated Frequency	50Hz	
Grid Frequency Range*	47 - 53Hz	
Power Factor (cosφ)	±0.8 (adjustable)	
Current THD	< 3%	
AC Disconnection Type	-	
System Data		
Topology	Transformerless	
Max. Efficiency	99%	
Euro Efficiency	98.40%	98.50%
Consumption at Standby/Night	< 20W / < 1W	
Environment Data		
Ingress Protection	IP65	
Cooling Method	Cooling Fans	
Operating Temperature Range	-25°C - +60°C (+45°C with derating)	
Ambient Humidity	0 - 100%, Non-condensing	
Altitude	4000m (3000m with derating)	
Display and Communication		
Display	LCD + LED	
Communication	RS485 (Standard) / Ethernet & PLC (Optional)	
Mechanical Data		
Dimensions (W*H*D) [mm]	600 * 826 * 260	
Weight [kg]	65	
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, IEC61727, IEC62116, IEC60068, IEC61683	

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