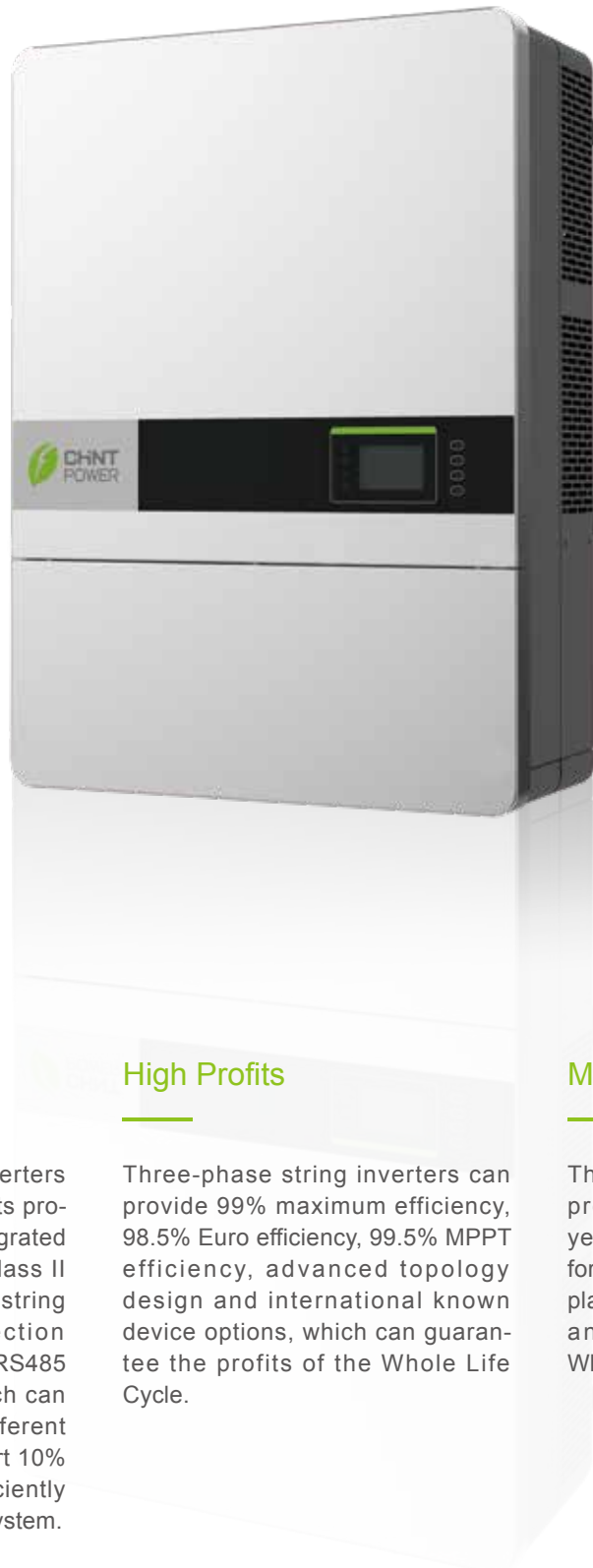


CPS SCA50~70KTL-DO

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	CPS SCA70KTL-DO/500
DC Input			
Rated DC Power	51.5kW	61.5kW	71.5kW
Max. DC Power/Max. DC Power per MPPT	67.5kW / 22.5kW	81kW / 27kW	96kW / 32kW
Max. DC Voltage	1100Vdc		
MPPT Voltage Range	200-1000Vdc		
MPPT Voltage Range (Full Load)	540 - 850Vdc		600 - 880Vdc
Start Voltage/Power	330Vdc / 80W		
Rated DC Voltage	780Vdc		
Number of MPPT/Max. Number of DC Connection Sets	3 / 3	3 / 4	3 / 4
Max. DC Current	33 * 3A	38 * 3A	3 * 40A
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	50kW	60kW	70kW
Max. AC Power	55kVA	66kVA	77kVA
Rated AC Current	3 * 277 / 480Vac		3 * 288 / 500Vac*
AC Voltage Range*	422 - 528Vac		432 - 594Vac
Grid Connection Type	3Φ / N(Optional) / PE		
Max. AC Current	67A	80A	89A
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%	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)		
Structure 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		

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