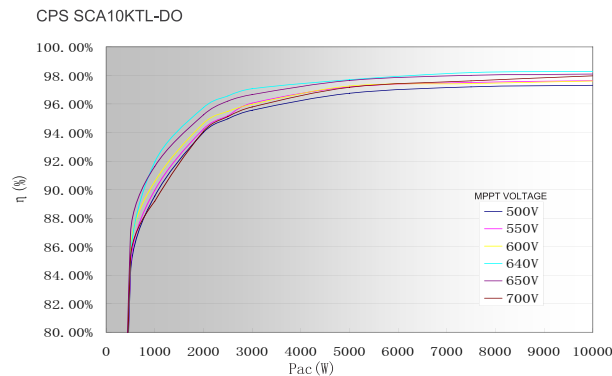


8/10/12kW Three Phase Grid-tied PV Inverters

Chint Power has been long dedicated to the research and development of PV inverters with a growing reputation from the domestic to the international markets. As a result of our continuous improvement efforts, Chint Power introduces the new range of three-phase units: 8kW, 10kW, 12kW PV inverters!

This inverter series is suitable for a variety of applications, from large residential to commercial rooftops and utility scale PV systems. With the features of concise design and high reliability of the former generation, these inverters offer an improved performance on the conversion efficiency of reaching up to 98.2%. The internal DC switch further improves the safety and reliability of the products.

Efficiency Curve



High Efficiency

- Max. efficiency of 98.2%
- Euro efficiency of 97.6%
- ≥99.9% MPPT efficiency
- Space vector PWM


High Reliability

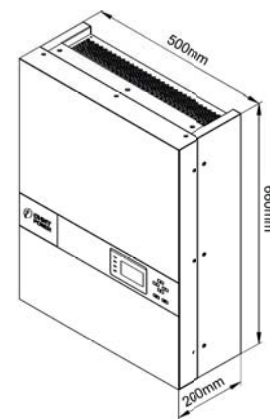
- Integrated DC switch
- GFCI embedded
- Comprehensive protection functions
- Design for reliability
- 5 years standard warranty; optional additional 15 years



CPS SCA8KTL-DO
 CPS SCA10KTL-DO
 CPS SCA12KTL-DO

Broad Adaptability

- Wide MPPT range
- 2 MPP Trackers
- Multiple communication interface
- IP65 protection degree, outdoor application
- Multi-language
- 3rd Party Monitoring 



Dimensions

Model Name	CPS SCA8KTL-DO	CPS SCA10KTL-DO	CPS SCA12KTL-DO
DC Input			
Nominal DC Input Power	8.2kW	10.3kW	12.3kW
Max. DC Input Power	8.8kW	11kW	13.2kW
Max. DC Input Voltage	1000Vdc		
Operating DC Input Voltage Range	250-860Vdc		
Start-up DC Input Voltage / Power	320V/150W		
Nominal DC Input Voltage	600V		
MPPT Voltage Range	320-800Vdc	320-800Vdc	380-800Vdc
Number of MPP Trackers	2		
Number of DC Inputs (strings)	2x2		
Max. Input Current	17A/MPPT		
Max. Input Current per string	17A		
DC Disconnection Type	Embedded switch		
PV Array Configuration	Floating		
AC Output			
Rated AC Output Power	8kW	10kW	12kW
Max. AC Output Power	8kW	10kW	12kW
Rated Output Voltage	400Vac		
Output Frequency Range	-		
Output Voltage Range	320-460Vac*		
Grid Connection Type	3Φ/N/PE		
Max AC Output Current	16A	16A	19.2A
Rated Output Frequency	50Hz/60Hz		
Power Factor	>0.99 (±0.9 adjustable)		
Current THD	<3%		
AC Disconnection Type	-		
System			
Topology	Transformerless		
Max. Efficiency	98.1%		
Euro Efficiency	97.5%	97.7%	97.7%
Stand-by / Night Consumption	<7W / <0.3W		
Environment			
Protection Degree	IP65		
Cooling	Variable speed cooling fans		
Operating Temperature Range	-25°C to +60°C		-25°C to +60°C
Operating Humidity	0-95%, non-condensing		
Operating Altitude	4000m		
Display and Communication			
Display	LCD+LED		
Communication	Standard: RS485, USB; Option: Ethernet, Zigbee		
Mechanical Data			
Dimensions (WxHxD) (mm)	500x660x200		
Weight (kg)	38	38	40
Safety			
Safety and EMC Standards (In progress)	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		
Grid Standards (In progress)	VDE AR-N-4105/VDE 0126-1-1/A1; RD1699;CEI-021; G83/1/1; G59/2		

* The Output Voltage Range value may change according to different grid codes.

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