CPS SCA7/8/10KTL-PSM/EU

Chint Power Single-phase Inverter
High Return of the Whole Life Cycle



Low Investment

Single-phase string series inverters not only are diversified products providing optional DC switch and 4G/Wi-Fi/RS232 wireless communication, which can match the requirements of different customers, but also can support 10% rated overload and no-screen design, which can efficiently decrease initial invest-ment of system.

High Profits

Sin-gle-phase string inverters can provide 97.5% maximum efficiency, 97.1% Euro efficiency, 99.5% MPPT efficiency, fanless topology design and international known device options, which can guarantee the profits of the Whole Life Cycle.

Maintenance Warranty

Single-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 SCA7KTL-PSM/EU	CPS SCA8KTL-PSM/EU	CPS SCA10KTL-PSM/EU
DC Input			
Max. DC Voltage	550Vdc		
MPPT Operating Voltage Range	70-540V		
Start Voltage	90Vdc		
Rated DC Voltage	360Vdc		
Number of MPPT	2		
Number of DC Connection Sets per MPPT	1/1	2/1	
Max. input current per MPPT	18A/18A	30A/18A	
Max. DC short-circuit current per MPPT	26A/26A	40A/26A	
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	7000W	8000W	10000W
Max. AC Power	7700VA	8800VA	10000VA
Rated AC Voltage	220V, 230V, 240V		
Rated AC Voltage Range	160- 300V		
Grid Connection Type	L + N + PE		
Max. AC Current	35A	40A	45.5A
Grid Frequency	50/60Hz		
Grid Frequency Range	45-55/55-65Hz		
Power Factor (cosφ)	±0.8(adjustable)		
Current THD	< 3%		
AC Disconnection Type	-		
System Data			
Topology	Transformerless		
Max. Efficiency	97.5%		
Euro Efficiency	97.1%		
Consumption at Night	<1W		
Protection			
DC reverse connection protection	Yes		
AC short circuit protection	Yes		
Leakage current protection	Yes		
Grid monitoring	Yes		
Ground fault monitoring	Yes		
Surge Protection	DC Type II / AC Type II		
Environment Data			
Ingress Protection	IP65		
Cooling Method	Natural Convection		
Operating Temperature	-25°C to +60°C		
Ambient Humidity	0 - 100%		
Altitude	4000m		
Display and Communication			
Display	LED + APP(Bluetooth)		
Communication	RS232(Standard) / Wi-Fi & 4G(Optional)		
Mechanical Data			
Dimensions (W*H*D)	450 * 400 * 170mm		
Weight	16kg		
DC Connection Type	MC4		
AC Connection Type	OT/DT Terminal		
Safety			
Certifications	IEC62109,IEC61727,NBR16149/16150,IEEE1547,CE VoC		