

# CPS SCA7/8/10KTL-SM/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 investment of system.

## High Profits

Single-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-SM/EU	CPS SCA8KTL-SM/EU	CPS SCA10KTL-SM/EU
<b>DC Input</b>			
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	13A/13A	26A/13A	
Max. DC short-circuit current per MPPT	15A/15A	30A/15A	
DC Disconnection Type	Integrated Switch		
<b>AC Output</b>			
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	-		
<b>System Data</b>			
Topology	Transformerless		
Max. Efficiency	97.5%		
Euro Efficiency	97.1%		
Consumption at Night	<1W		
<b>Protection</b>			
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 III / AC Type III		
<b>Environment Data</b>			
Ingress Protection	IP65		
Cooling Method	Natural Convection		
Operating Temperature	-25°C to +60°C		
Ambient Humidity	0 - 100%		
Altitude	4000m		
<b>Display and Communication</b>			
Display	LED + APP(Bluetooth)		
Communication	RS232(Standard) / Wi-Fi & 4G(Optional)		
<b>Mechanical Data</b>			
Dimensions (W*H*D)	450 * 400 * 170mm		
Weight	16kg		
DC Connection Type	MC4		
AC Connection Type	OT/DT Terminal		
<b>Safety</b>			
Certifications	IEC62109,IEC61727,NBR16149/16150,IEEE1547,CE VoC		