

CPS SCA8/10KTL-PSM/EU

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



Low Investment

Single-phase string series inverters products providing standard configuration DC switch and Wi-Fi/RS485/4G communication, which can match the requirements of different customers, support 10% rated overload and no-screen design, which can efficiently decrease initial investment of system.

High Profits

Single-phase string inverters can provide 98.2% maximum efficiency, 97.6% 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 SCA8KTL-PSM/EU	CPS SCA10KTL-PSM/EU
DC Input		
Max. input power	12kW	15kW
Max. DC Voltage		550Vdc
MPPT Operating Voltage Range		60-540V
Start Voltage		90Vdc
Rated DC Voltage		360Vdc
Number of MPPT		2
Number of DC Connection Sets per MPPT		2/1
Max. input current per MPPT		30A/20A
Max. DC short-circuit current per MPPT		40A/26A
DC Disconnection Type		Integrated Switch
AC Output		
Rated apparent power	8kVA	10kVA
Max. AC Power	8800VA	10000VA
Rated AC Voltage		220/230/240V
Rated AC Voltage Range ¹		160-300V
Grid Connection Type		L + N + PE
Rated Output Current	36.4/34.8/33.3A	45.5/43.5/41.7A
Max. AC Current	40A	45.5A
Grid Frequency		50/60Hz
Grid Frequency Range ¹		45-55/55-65Hz
Power Factor (cosφ)		±0.8(adjustable)
Current THD		< 3%
AC Disconnection Type		/
System Data		
Topology		Transformerless
Max. Efficiency	98.2%	98.2%
Euro Efficiency	97.5%	97.6%
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		RS485 / Wi-Fi (Standard) & 4G (Optional)
Mechanical Data		
Dimensions (W*H*D)		450 * 400 * 170mm
Weight		16kg
DC Connection Type		MC4 (Max. 6 mm ²)
AC Connection Type		OT/DT Terminal
Safety		
Certifications ²		IEC61727/62116, ABNT 16149/16150, IEEE 1547, AS 4777.2:2020+A1

¹ "AC Voltage Range" and "Grid Frequency Range" may differ according to specific grid codes.
² The certificates are for reference only. Please consult the local sales staff for detailed certification.
 *made in china