

CPS SCA7~8KTL-SM

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

Inverter



Low Investment

Single-phase string series inverters not only are diversified products providing optional DC switch and GPRS/Wi-Fi/RS485 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 98% maximum efficiency, 97.6% Euro efficiency, 99.5% MPPT efficiency, fan-less 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	CPS SCA8KTL-SM
DC Input		
Max. DC Power	7100W	8100W
Max. DC Voltage		600Vdc
MPPT Voltage Range		90 - 550Vdc
Rated DC Voltage		380Vdc
Start Voltage		80Vdc
Min. DC Voltage		70Vdc
Max. DC Current PV1 / PV2		22A / 11A
Number of DC Connection Sets per MPPT		2 / 1
Number of MPPT		2
DC Switch		Optional
AC Output		
Rated AC Power	7000W	8000W
Max. AC Power	7700VA	8000VA
Rated AC Current	30.5A	34.8A
Max. AC Current	33.5A	34.8A
Rated AC Voltage/Range		230V, 240V / 180- 280V
Grid Frequency		50 ± 5Hz
Power Factor (cosφ)		±0.8 (adjustable)
Current THD		< 3%
Grid Connection Type		L + N + PE
Efficiency		
Max. Efficiency	98.0%	98.0%
Euro Efficiency	97.6%	97.6%
MPPT Efficiency		> 99.5%
Protection		
Anti-islanding Protection		Integrated
DC Reverse-Polarity Protection		Integrated
DC Insulation Monitoring		Integrated
DC Surge Protection		Integrated
AC Surge Protection		Integrated
Residual Current Monitoring		Integrated
AC Over-current Protection		Integrated
AC Short Circuit Current Protection		Integrated
AC Over-voltage Protection		Integrated
Thermal Protection		Integrated
Arc-fault Protection		Optional
Interface		
AC Connection		Plug-in Connector
DC Connection		MC4 / H4
LCD / LED Display		LED + APP (Wi-Fi)
Language		Chinese / English
Communication		Wi-Fi / GPRS
General Data		
Topology		Transformerless
Consumption at Night		< 0.2W
Consumption at Standby		6W
Operating Temperature Range		-25°C to +60°C
Cooling Method		Natural Convection
Ambient Humidity		0 - 100%, Non-condensing
Altitude		4000m
Noise		< 25dBA
Ingress Protection		IP65
Dimensions (W*H*D) [mm]		380 * 450 * 170
Weight [kg]		19
Warranty [year]		5 (Standard) / 10 / 15 / 20 / 25 (Optional)
Certifications		IEC62109-1/2, IEC61000-6-1/2/3/4, CQC NB/T 32004