

CPS SCA2/3KTL-S/EU

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



Low Investment

Single-phase string series inverters provide 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 97.6% maximum efficiency, 97.3% 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

String inverter can support remote monitoring, fault diagnosis and software upgrade, 7*24H after-sales service can guarantee the maintenance of the Whole Life Cycle.

Model Name	CPS SCA2KTL-S/EU	CPS SCA3KTL-S/EU
DC Input		
Max. DC Voltage	600Vdc	
MPPT Operating Voltage Range	70-580Vdc	
Start Voltage	90Vdc	
Rated DC Voltage	360Vdc	
Number of MPPT	1	
Number of DC Connection Sets per MPPT	1	
Max. input current per MPPT	13A	
Max. DC short-circuit current per MPPT	15A	
String Fuse	N/A	
DC Disconnection Type	Integrated Switch	
AC Output		
Rated AC Power	2000W	3000W
Max. AC Power	2200VA	3300VA
Rated AC Voltage	220V, 230V	
AC Voltage Range ¹	160-300Vac	
Grid Connection Type	L + N + PE	
Max. AC Current	9.5A	14.3A
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	97.4%	97.6%
Euro Efficiency	96.8%	97.3%
Consumption at Standby/Night	< 6W/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	AC Type III	
AFCI	N/A	
Environment Data		
Ingress Protection	IP65	
Cooling Method	Natural Convection	
Operating Temperature	-25°C to +60°C	
Ambient Humidity	0 - 100%, Non-condensing	
Altitude	4000m	
Display and Communication		
Display	LED + APP(Bluetooth)	
Communication	WiFi(Standard) & RS485/4G(Optional)	
Mechanical Data		
Dimensions (W*H*D)	285 * 336 * 125mm	
Weight	8.8kg	
DC Connection Type	MC4	
AC Connection Type	Plug and play connector	
Safety		
Certifications ²	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068, IEC 61683,EN 50549,CEI 0-21,RD 1699,UNE 217001,CNAS,VDE 4105	

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