

CPS SCA20~30KTL-T/EU

Chint Power String Inverter
High Return of the Whole Life Cycle



Low Investment

Three-phase string series inverters products providing standard configuration DC switch, integrated DC combiner box, optional 4G/Wi-Fi/RS485 communication, which can match the requirements of different customers, support 10% rated overload which can efficiently decrease initial investment of system.

High Profits

High DC/AC ratio up to 1.5; Three-phase string inverters can provide 98.2% maximum efficiency, 97.7% 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

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 SCA20KTL-T/EU	CPS SCA25KTL-T/EU	CPS SCA30KTL-T1/EU
DC Input			
Max. DC Voltage		1000Vdc	
MPPT Operating Voltage Range		180-950Vdc	
Start Voltage		250Vdc	
Rated DC Voltage		620Vdc	
Number of MPPT	2		2
Number of DC Connection Sets per MPPT	2		3
Max. input current per MPPT	27A/27A		40.5A/40.5A
Max. DC short-circuit current per MPPT		45A	
String Fuse	N/A		15A
DC Disconnection Type		Integrated Switch	
AC Output			
Rated AC Power	20kW	25kW	30kW
Max. AC Power	22kVA	27.5kVA	33kVA
Rated AC Voltage		380V , 400V	
Rated AC Voltage Range		277 - 520V	
Grid Connection Type		3Φ / N / PE	
Max. AC Current	33.5A	40A	48A
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	98.2%	98.2%	98.2%
Euro Efficiency	97.7%	97.7%	97.7%
Consumption at Standby/Night		<25W/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		Cooling Fans
Operating Temperature		-25°C to +60°C	
Ambient Humidity		0 - 100%, Non-condensing	
Altitude		4000m	
Display and Communication			
Display		LED + APP(Bluetooth)	
Communication		RS485(Standard) / Wi-Fi & 4G (Optional)	
Mechanical Data			
Dimensions (W*H*D)		555 * 446 * 270mm	
Weight	37kg		40kg
DC Connection Type		MC4	
AC Connection Type		OT/DT Terminal	
Safety			
Certifications	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068,IEC 61683,UNE 217001 IN:2015,EN 50549,CEI 0-21,RD 1699		