

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, Wi-Fi/RS485/4G communication, which can match the requirements of different customers, support 10% rated overload which can efficiently decrease initial investment of system.

High Profits

Three-phase string inverters can provide 98.6% maximum efficiency, 98.3% 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 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	2/2	3/3		
Max. input current per MPPT	27A/27A	40.5A/40.5A		
Max. DC short-circuit current per MPPT	30A	45A		
String Fuse	N/A			
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			
AC Voltage Range¹	277 - 520V			
Grid Connection Type	3Φ / N / PE			
Max. AC Current	33.5A	40A	48A	
Grid Frequency	50/60Hz			
Grid Frequency Range¹	45-55/55-65Hz			
Power Factor (cosφ)	>0.99(±0.8 adjustable)			
Current THD	< 3%			
AC Disconnection Type	-			
System Data				
Topology	Transformerless			
Max. Efficiency	98.6%			
Euro Efficiency	98.3%			
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			
AFCI	N/A			
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	WiFi/RS485 (Standard) &4G(Optional)			
Mechanical Data				
Dimensions (W*H*D)	555 * 446 * 269mm			
Weight	35kg	41kg		
DC Connection Type	MC4			
AC Connection Type	OT/DT Terminal			
Safety				
Certifications²	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068,IEC 61683, EN 50549,CEI 0-21,UNE 217001,RD 1699VDE 4105,TOR Erzeuger			

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.