

CPS SCA50/60KTL-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 Wi-Fi/4G/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 98.3% maximum efficiency, 98.0% 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 SCA50KTL-T/EU	CPS SCA60KTL-T/EU
DC Input		
Max. DC Voltage	1100Vdc	
MPPT Operating Voltage Range	200-1000Vdc	
Start Voltage	250Vdc	
Rated DC Voltage	620Vdc	
Number of MPPT	4	4
Number of DC Connection Sets per MPPT	3/3/2/2	3/3/3/3
Max. input current per MPPT	39A/39A/26A/26A	39A/39A/39A/39A
Max. DC short-circuit current per MPPT	45A/45A/30A/30A	45A/45A/45A/45A
String Fuse	15A	
DC Disconnection Type	Integrated Switch	
AC Output		
Rated AC Power	50kW	60kW
Max. AC Power	55kVA	66kVA
Rated AC Voltage	380V, 400V	
Rated AC Voltage Range	277V-520V	
Grid Connection Type	3Φ / N / PE	
Max. AC Current	76A	92A
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	98.3%	98.3%
Euro Efficiency	98.0%	98.0%
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	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)	855 * 555 * 275mm	
Weight	65kg	67kg
DC Connection Type	MC4	
AC Connection Type	OT/DT Terminal	
Safety		
Certifications	EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068,IEC 61683,EN 50530	