

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, RS485/Wi-Fi/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 99.0% maximum efficiency, 98.5% Euro efficiency, 99.5% MPPT efficiency, advanced 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
Max. input current per MPPT	39A/39A/26A/26A	39A
Max. DC short-circuit current per MPPT	45A/45A/30A/30A	45A
String Fuse	20A	
DC Disconnection Type	Integrated Switch	
AC Output		
Rated AC Power	50kW	60kW
Max. AC Power	55kVA	66kVA
Rated AC Voltage	380 / 400V	
AC Voltage Range ¹	277V - 520V	
Grid Connection Type	3Φ / N / PE	
Max. AC Current	76A	92A
Grid Frequency	50/60Hz	
Grid Frequency Range ¹	45-55/55-65Hz	
Power Factor (cosφ)	>0.99(±0.8 adjustable)	
Current THD	< 3%	
AC Disconnection Type	/	
System Data		
Topology	Transformerless	
Max. Efficiency	99.0%	
Euro Efficiency	98.5%	
Consumption at Night	< 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	/	
Environment Data		
Ingress Protection	IP65	
Cooling Method	Cooling Fans	
Operating Temperature	-25°C to +60°C	
Ambient Humidity	0 - 100%	
Altitude	4000m	
Display and Communication		
Display	LED + APP(Bluetooth)	
Communication	RS485 / Wi-Fi (Standard) & 4G (Optional)	
Mechanical Data		
Dimensions (W*H*D)	855 * 555 * 275mm	
Weight	73kg	74kg
DC Connection Type	MC4 (Max. 6mm ²)	
AC Connection Type	OT/DT Terminal (Max. 50mm ²)	
Safety		
Certifications ²	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068,IEC 61683, EN 50549-1/2,CEI 0-21,CEI 0-16,G99 Type A/B,UTE C15-712-1,TOR Erzeuger Typ A, UNE 217002&RD1699,UNE 217001	

¹ "AC Voltage Range" and "Grid Frequency Range" may differ according to specific grid codes.

² The certificates are for reference only. Please consult the local sales staff for detailed certification.