

# CPS SCA50/60KTL-T/EU

Chint Power String Inverter  
High Return of the Whole Life Cycle



## Low Investment

Three-phase string series inverters not only are diversified products providing optional DC switch, integrated DC combiner box, optional PID protection module and GPRS/Wi-Fi/Ethernet/RS485 wireless communication, which can match the requirements of different customers, but also can support 10% rated overload which can efficiently decrease initial investment of system.

## High Profits

Three-phase string inverters can provide 98.8% maximum efficiency, 98.4% 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
<b>DC Input</b>		
Max. DC Voltage	1100Vdc	
MPPT Voltage Range (Full Load)	540-850Vdc	
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. DC Current	33A/33A/22A/22A	33A/33A/33A/33A
Max. Current for input connector	13A	
DC Disconnection Type	Integrated Switch	
<b>AC Output</b>		
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(Optional) / 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	-	
<b>System Data</b>		
Topology	Transformerless	
Max. Efficiency	98.8%	98.8%
Euro Efficiency	98.4%	98.4%
Consumption at Night/Standby	<1W/25W	
<b>Environment Data</b>		
Ingress Protection	IP65	
Cooling Method	Cooling Fans	
Operating Temperature	-25°C to +60°C	
Ambient Humidity	0 - 100%, Non-condensing	
Altitude	4000m	
<b>Display and Communication</b>		
Display	LED + APP(Bluetooth)	
Communication	RS485(Standard) / Wi-Fi & GPRS(Optional)	
<b>Mechanical Data</b>		
Dimensions (W*H*D) [mm]	855 * 555 * 275	
Weight [kg]	65	67
<b>Safety</b>		
Certifications	EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068,IEC 61683,EN 50530	