

# CPS SCA16/18KTL-T1/SA

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 98.3% maximum efficiency, 97.3% 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 SCA16KTL-T1/SA	CPS SCA18KTL-T1/SA
<b>DC Input</b>		
Max. DC Voltage	800Vdc	
MPPT Operating Voltage Range	180-750Vdc	
Start Voltage	250Vdc	
Rated DC Voltage	360Vdc	
Number of MPPT	2	
Number of DC Connection Sets per MPPT	3	
Max. input current per MPPT	40.5A/40.5A	
Max. DC short-circuit current per MPPT	45A/45A	
DC Disconnection Type	Integrated Switch	
<b>AC Output</b>		
Rated AC Power	16kW	18kW
Max. AC Power	18kVA	20kVA
Rated AC Voltage	220V	
Rated AC Voltage Range	150V-300V(Adjustable)	
Grid Connection Type	3Φ / N / PE	
Max. AC Current	42A	48A
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	97.3%	
Euro Efficiency	98.3%	
Consumption at Standby/Night	< 6W/1W	
<b>Protection</b>		
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	
<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 & 4G (Optional)	
<b>Mechanical Data</b>		
Dimensions (W*H*D)	555 * 446 * 270mm	
Weight	41kg	
DC Connection Type	MC4	
AC Connection Type	Plug and play connector	
<b>Safety</b>		
Certifications	EN 61000-6,EN/IEC 62109,IEC 61727/62116	