

CPS SCH250/275KTL-DO/EU

Chint Power 1500V 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, standard class II lightning protection, RS485/Wi-Fi/4G/PLC communication, which can match the requirements of different customers.

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 SCH250/275KTL-DO/EU	
DC Input		
Max. DC Voltage	1500Vdc	
MPPT Operating Voltage Range	500-1450Vdc	
Start Voltage	550Vdc	
Rated DC Voltage	1190Vdc	
Number of MPPT	12	6
Number of DC Connection Sets per MPPT	2	3
Max. input current per MPPT	30A	60A
Max. DC short-circuit current per MPPT	50A	90A
String Fuse	/	20A
DC Disconnection Type	Integrated Switch	
AC Output		
Rated AC Power	250/275KW	
Max. AC Power	275kVA	
Rated AC Voltage	800V	
AC Voltage Range ¹	680 - 880Vac	
Grid Connection Type	3Φ / PE (IT System ³)	
Max. AC Current	180.4 / 198.5A	
Grid Frequency	50/60Hz	
Grid Frequency Range ¹	47-53/57-63Hz	
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	< 6W	
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	IP66	
Cooling Method	Cooling Fans	
Operating Temperature	-30°C to +60°C	
Ambient Humidity	0 - 100%	
Altitude	4000m	
Display and Communication		
Display	LED + APP(Bluetooth)	
Communication	PLC / Wi-Fi (Standard) & 4G / RS485 (Optional)	
Mechanical Data		
Dimensions (W*H*D)	1100 * 680 * 337mm	
Weight	105kg	
DC Connection Type	MC4 (Max. 6mm²)	
AC Connection Type	OT/DT Terminal(Max. 300mm²)	
Safety		
Certifications ²	IEC61000-6,IEC/EN 62109,IEC61727/62116/61683/60068,EN50549,NC RfG	

^{*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.
^{*3} Transformer compatibility: this model only supports connection with IT systems, not compatible with TN/TT systems.