

CPS SCH333~350K-T-EU

Three-Phase String Inverter
333-350 kW/ 15 MPPTs /1500 Vdc System



Efficient

Higher power generation

- 15 MPPTs with Max. Efficiency 99%
- Max. input current 20A per string, compatible with 700Wp+ module
- Superb temperature performance, full power at 45C°
- 150% DC/AC ratio



Smart

Fully controllable

- Comprehensive range of communication interfaces [PLC / Wi-Fi / RS485(Standard) & 4G / Ethernet(Optional)]
- Q at night (SVG) function
- Smart string monitoring based on I-V curve scanning and diagnosis



Safe

Superb quality with rapid response

- Durable and robust component
- Artfully designed air forced cooling system
- IP66&C5 protection
- Type II SPD for both DC and AC
- Full range of grid monitoring and protection
- Built-in anti-PID and PID recovery function
- Smart DC controllable switch, fast and automatic fault breaking

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Vdc System



Model Name	CPS SCH333K-T-EU		CPS SCH350KTL-DO/EU
DC Input			
Max. DC Voltage	1500V		
MPPT Operating Voltage Range	500-1450V		
Start Voltage	550V/500W		
Rated DC Voltage	1190V		
Number of MPPT	15	15	
Number of DC Connection Sets per MPPT	2	2	
Max. Input Current per MPPT	40A		
Max. DC Short-Circuit Current per MPPT	60A		
String Fuse	/		
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	333kW	350kW	
Max. AC Power	333kVA	350kVA	
Rated AC Voltage	800V		
AC Voltage Range*	680 - 880V		
Grid Connection Type	3ϕ / PE		
Max. AC Current	241A	253A	
Grid Frequency	50/60Hz		
Grid Frequency Range*	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	98.8%		
Consumption at Night	< 5W		

* AC Power is different under different rated AC voltage.
* Please consult the local sales staff for detailed certification.

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Protection		
Anti-Islanding Protection	Yes	
DC Reverse Polarity Protection	Yes	
DC Overvoltage Protection	Yes	
Insulation Resistance Detection	Yes	
Residual Current Monitoring Unit	Yes	
Ground Fault Monitoring	Yes	
Surge Protection	DC Type II / AC Type II	
AC Short Circuit Protection	Yes	
AC Overvoltage Protection	Yes	
Overheat Protection	Yes	
PV String Monitoring	Yes	
I-V Curve Scan&Diagnosis	Yes	
PID Prevent&Recovery	Yes	
Q At Night	Yes	
24h Gird Monitoring	Yes	
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	RS485/Ethernet/PLC/CAN	
Mechanical Data		
Dimensions (W*H*D)	1057 * 810 * 400mm	
Weight	143kg	
DC Connection Type	MC4 (Max. 6mm²)	
AC Connection Type	OT/DT Terminal(Max. 400mm²)	