

# CPS SCH350K-T-EU

Three-Phase String Inverter  
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 SCH350KTL-DO/EU
<b>DC Input</b>	
Max. DC Voltage	1500V
MPPT Operating Voltage Range	500-1450V
Start Voltage	550V/500W
Rated DC Voltage	1190V
Number of MPPT	15
Number of DC Connection Sets per MPPT	2
Max. Input Current per MPPT	40A
Max. DC Short-Circuit Current per MPPT	60A
String Fuse	/
DC Disconnection Type	Integrated Switch
<b>AC Output</b>	
Rated AC Power	350kW
Max. AC Power	350kVA
Rated AC Voltage	800V
AC Voltage Range*	680 - 880V
Grid Connection Type	3 $\phi$ / PE
Max. AC Current	253A
Grid Frequency	50/60Hz
Grid Frequency Range*	45-55 / 55-65Hz
Power Factor (cos $\phi$ )	>0.99 ( $\pm$ 0.8 adjustable)
Current THD	< 3%
AC Disconnection Type	/
<b>System Data</b>	
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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Model Name	CPS SCH350KTL-DO/EU
<b>Protection</b>	
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 Grid Monitoring	Yes
<b>Environment Data</b>	
Ingress Protection	IP66
Cooling Method	Cooling Fans
Operating Temperature	-30°C to +60°C
Ambient Humidity	0 - 100%
Altitude	4000m
<b>Display and Communication</b>	
Display	LED + APP(Bluetooth)
Communication	RS485/Ethernet/PLC/CAN
<b>Mechanical Data</b>	
Dimensions (W*H*D)	1057 * 810 * 400mm
Weight	143kg
DC Connection Type	MC4 (Max. 6mm <sup>2</sup> )
AC Connection Type	OT/DT Terminal (Max. 400mm <sup>2</sup> )