

SCH333~350K-T-EU

Three-Phase String Inverter
333/350kW • 12/15 MPPTs • 1500Vdc System



Efficient

Higher power generation

- 12/15 MPPTs with Max. Efficiency 99%
- Max. input current 20A per string, compatible with 700Wp+ module
- Superb temperature performance, full power at 45°C
- 150% DC/AC ratio

Smart

Fully controllable

- Comprehensive range of communication interfaces [RS485/Ethernet/PLC/CAN]
- 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

Model Name	SCH333K-T-EU		SCH350K-T-EU	
DC Input				
Max. DC Voltage	1500Vdc			
MPPT Operating Voltage Range	500 - 1500Vdc			
Start Voltage	550Vdc			
Rated DC Voltage	1190Vdc			
Number of MPPT	12	15	12	15
Number of DC Connection Sets per MPPT	2	2	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	98.5%			
Consumption at Night	<5W			
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)			
Safety				
Certifications²	IEC 61000-6,IEC 62109-1/2,IEC 61727,IEC 62116,IEC 62920			

² AC Power is different under different rated AC voltage.
² Please consult the local sales staff for detailed certification.