

SCH512K-T-EU NEW

Three-Phase String Inverter
512kW • 6 MPPTs • 1500Vdc System



Efficient

Appealing yield

- Full power 512KW output at 40 temperature
- Max. efficiency > 99%, Euro efficiency > 98.8%
- AC 1000 System, 4~12.5MW Flexible Block Design

Smart

Pragmatic option

- Wide MPPT Full Load Voltage Range
- Air duct self-cleaning management system
- I-V Curve scanning and diagnosis

Safety

Solid quality

- DC&AC terminal temperature detection
- Intelligent DC release switch
- MPPT level ISO Fault location

Model Name	SCH512K-T-EU
DC Input	
Max. DC Voltage	1500Vdc
MPPT Operating Voltage Range	500 - 1500Vdc
Start Voltage	550Vdc
Rated DC Voltage	1200Vdc
Number of MPPT	6
Number of DC Connection Sets per MPPT	6
Max. input current per MPPT	105A
Max. DC short-circuit current per MPPT	180A
DC Disconnection Type	Integrated Switch
AC Output	
Rated AC Power	512kW
Max. AC Power	512kVA
Rated AC Voltage	1000V
AC Voltage Range*	850 - 1100V
Grid Connection Type	3Φ / PE
Max. AC Current	295.6A
Grid Frequency	50 / 60Hz
Grid Frequency Range	45-55 / 55-65Hz
Power Factor (cosφ)	>0.99(±0.8 adjustable)
Current THD	<1%(Rated Condition)
System Data	
Topology	Transformerless
Max. Efficiency	> 99%
Euro Efficiency	> 98.8%
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
Q at night function	Yes
PID Prevent&Recovery	Yes
Environment Data	
Ingress Protection	IP66
Cooling Method	Cooling Fans
Operating Temperature	-30° C to +60° C
Ambient Humidity	0 - 100%
Altitude	5000 m (>4000 m derating)
Display and Communication	
Display	LED + APP(Bluetooth)
Communication	RS485/PLC
Mechanical Data	
Dimensions (W*H*D)	1100* 780 * 390mm
Weight	130kg
DC Connection Type	MC4 Max. 6mm ² (10mm ² Optional)
AC Connection Type	OT/DT Terminal(Max.500 mm ²)