

# SG 1000 / I260TS



## Compact design

- Occupies only 8 square meters, can be transported by forklift for installation
- Integrated AC auxiliary power supply unit and the monitoring unit



## Easy maintenance

- Four-door design for easy installation and maintenance
- Flexible for inner devices overall replacement



## Adaptability to environment

- Patent inlet and outlet structure design for effective dust-proof
- Efficient thermal design and insulation ensures 50% full load operation

Input Side Data(DC)

SG1000TS

SG1260TS

Max. DC power (@ cos φ =1)	1120kW	1428kW
Max. input voltage		
Start voltage		
Min. working voltage		
Max. input current	2440A	3104A
MPPT voltage range		

Output Side Data(AC)

Rated power	1000kW	1260kW
Max. output AC power	1100kVA	1400kVA
Max. output current	2016A	2560A
Max. THD	<3% (at nominal power)	
Rated grid voltage	315V	
Grid voltage range	252~362V	
Rated grid frequency	50Hz/60Hz	
Grid frequency range	47~52Hz/57~62Hz	
Power factor at rated power	>0.99	
DC current injection	<0.5% of rated inverter output current	
Adjustable displacement factor	0.9 (lagging) ~0.9 (leading)	

Efficiency

Max. efficiency	98.70%
European efficiency	98.50%

Protection

DC overvoltage protection	Yes
AC overvoltage protection	Yes
Grid monitoring	Yes
Ground fault monitoring	Yes
Overheat protection	Yes
Insulation monitoring	Yes

General Data

Dimensions (W*H*D)	2991*2591*2438mm
Weight	4200kg
Operating temperature range	-35~50°C
External auxiliary supply voltage (Opt.)	380V
Cooling concept	Temperature controlled air-cooling
Degree of protection	IP54
Max. permissible value for relative humidity (non-condensing)	0~95%, non -condensing
Max. altitude	6000m ( >3000m derating)
Communication port/protocols	Standard: RS485/ Modbus, Internet Options: CDT, DNP3.0, 101, 103, 104, GPRS/CDMA module

Circuit Diagram

