

SG1000/SG1250

Turnkey Station



Cost Effective

- No need for inverter house on site
- Integrated ventilation duct and auxiliary power supply
- 8 m² area easy for deployment and fast installation
- 10-foot standard shipping container



Easy Maintenance

- Integrated current monitoring function for fast trouble shooting
- Modular design easy for maintenance



Flexible

- Complete grid support: LVRT, HVRT, ZVRT
- IP54 protection degree suitable for harsh environment condition



Secured Yield

- Efficient three-level topology, maximum system efficiency up to 99 %
- 1/2 MPPT, wide MPP voltage range
- No derating up to 50 °C



Input (DC)	SG1000	SG1250
Max. input voltage	1000 V	
Start voltage	500 V	540 V
Min. working voltage	460 V	520 V
Max. input current	2440 A	2712 A
MPP voltage range	460 - 850 V	520 - 850 V
No. of MPPTs	1 or 2	
No. of DC inputs	8 - 16	
Output (AC)		
Nominal AC output power	1000 kW	1260 kW
Max. AC output apparent power	1100 kVA	1386 kVA
Max. inverter output current	2016 A	2222 A
Rated grid voltage	315 V	360 V
Grid voltage range	252 - 362 V	288 - 414 V
Nominal grid frequency	50 / 60 Hz	
Grid frequency range	45 - 55 Hz / 55 - 65 Hz	
THD	< 3 % (at nominal power)	
DC current injection	< 0.5 % I _n	
Power factor range	0.8 leading - 0.8 lagging	
Efficiency		
Max. efficiency	99.00 %	
Euro. efficiency	98.70 %	
General Data		
Dimensions(W*H*D)	2991*2591*2438 mm	
Weight	4.3 T	
Operating temperature range	-35 to 60 °C (>50 °C derating)	
External auxiliary supply voltage	220 Vac, 2 kVA/ Optional: 380 Vac, up to 15 kVA	
Cooling concept	Temperature controlled air-forced cooling	
Protection class	IP54	
Allowable relative humidity range	0 - 95 %, non-condensing	
Max. operating altitude	5000 m (> 3000 m derating)	
Communication	Standard: RS485, Ethernet; Optional: Optical fiber	
Protections & Functions		
Anti-PID function	Optional	
Grid support functions	LVRT, HVRT, ZVRT, anti-islanding, active & reactive power regulation, PF control, soft start/stop	
DC input protection	Circuit breaker	
AC output protection	Circuit breaker	
DC overvoltage protection	Type II	
AC overvoltage protection	Type II	
Grid monitoring	Yes	
Ground fault monitoring	Yes	
Overheat protection	Yes	
Insulation monitoring	Yes	