




GSL1000 / GSL1250
Central Grid-Tied High Efficiency PV Inverter



 Max. PV voltage up to 1000V
Max. 20 DC inputs

 Max. DC/AC ratio up to 1.5
Full power output under 55°C

 Dustproof protection
Modular design for
Easy maintenance

 AGC/AVC
Night SVG function
LVRT/HVRT/FRT function

Technical Specifications

MODEL	GSL1000	GSL1250
Input		
Max. DC input voltage	1000Vdc	
MPPT voltage range	580~850Vdc	
Number of DC input	8(400A) / 20(200A)	
Max. input current	1935A	2200A
Output		
Rated output power	1000kW	1250kW
Max. output power	1100kW	1375kW
Rated output voltage	400Vac	
Output voltage range	(1±15%)×Rated AC Voltage (adjustable ±5%,±10%,±15%,±20%)	
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)	
Rated AC output current	1444A	1804A
Max. AC output current	1588A	1985A
Power factor (cosΦ)	1 (0.9 leading – 0.9 lagging) (adjustable)	
THDi	<3%	
System features		
Max. efficiency	99%	
Euro efficiency	98.7%	
MPPT efficiency	>99%	
Standby (night time) losses	<50W	
Cooling type	Forced air cooling	
Communication interface	RS485, External Ethernet (optional)	
Environment		
Operating temperature range	-40 C ~ + 60 C (More than 55 C derating)	
Humidity range	0 ~ 95% (non-condensing)	
Altitude	3000m	
Noise level	<65dB	
Protection rating	IP21	
Protection devices		
AC leakage current fault protection	Yes	
LVRT	Yes	
Ground fault protection	Yes	
Anti-islanding protection	Yes	
DC overvoltage protection	Yes	
DC surge protection	Yes	
AC surge protection	Yes	
DC reverse-polarity protection	Yes	
Physical		
Dimensions W x D x H (mm)	2100x750x2100	
Weight(kg)	1600	1700

Specifications subject to change without prior notice.