


GSM1250 / GSM1500
Central Grid-Tied High Efficiency PV Inverter



 Max. PV Voltage up to 1500V
Max. 12 DC inputs

 Dustproof protection
Modular design for
Easy maintenance

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

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

Technical Specifications

MODEL	GSM1250	GSM1500
Input		
Max. DC input voltage	1500Vdc	
MPPT voltage range	800~1300Vdc	900~1300Vdc
Number of DC input	10	12
Max. input current	1750A	1870A
Output		
Rated output power	1250kW	1500kW
Max. output power	1375kW	1500kW
Rated output voltage	550Vac	600Vac
Output voltage range	(1±10%)×Rated AC Voltage (adjustable ±5%,±10%,±15%)	
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)	
Rated AC output current	1312A	1443A
Max. AC output current	1443A	1443A
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)	-40 C ~ +60 C (More than 50 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)	1600x750x2100	
Weight(kg)	1600	

Specifications subject to change without prior notice.