




GSM6250C-MV / GSM6800C-MV
 DC1500V Turnkey Solution (Inverter+MV Transformer+RMU)



 Max. PV voltage up to 1500V
 Max. 56 DC inputs

 Max. efficiency up to 99%
 Full power output under 50°C

 IP54 outdoor protection
 Modular design for
 Easy maintenance

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

Technical Specifications

MODEL	GSM6250C-MV	GSM6800C-MV
Input		
Max. DC input voltage	1500Vdc	
MPPT voltage range	900~1300Vdc	
Number of MPPT	4	
Number of DC input	56	
Max. input current	8160A	
Output		
Rated output power	6250kW	6800kW
Max. output power	7200kW (25°C)	
AC output voltage	10~35kV	
LV/MV voltage	0.63kV / 10~35kV	
Grid frequency range	50 / 60Hz(±5Hz) (adjustable)	
Power factor (cosΦ)	1 (0.8 leading – 0.8 lagging) (adjustable)	
THDi	<3%	
System features		
Inverter Max. efficiency	99%	
Inverter Euro efficiency	98.7%	
MPPT efficiency	>99%	
Cooling type	Forced air cooling	
Communication interface	RS485, External Ethernet (Optional)	
MV transformer vector	Dy11y11	
MV transformer type	Oil/Dry	
MV switchgear protection	Circuit Breaker	
Environment		
Operating temperature	-40 C ~ +60 C (More than 50 C derating)	-40 C ~ +60 C (More than 45 C derating)
Humidity range	0 ~ 95% (non-condensing)	
Altitude	2000m	
Noise level	<65dB	
Protection rating	IP54	
Protection devices		
AC leakage current fault protection	Yes	
LVRT/HVRT	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)	12192X2438X2896	

Specifications subject to change without prior notice.