

Technical Specifications

MODEL	GSM6250C-MV
Input(DC)	
Max. DC Input Voltage	1500Vdc
Min./Start Voltage	920V/980V(adjustable)
MPPT Voltage Range	920~1300V
No. of MPPT	4
No. of DC Input	Max. 56*250A (32*400A optional)
Max. DC Input Current	8160A
Output(AC)	
Rated AC Output Power	6250kW
Max. AC Output Power	7200kW
Inverter Max. Output Current	6598A
AC Output Voltage	10~35kV
Rated Grid Frequency	50/60Hz
AC Grid Frequency Range	45~55/55~65(adjustable)
Power Factor (cosΦ)	0.8leading~0.8lagging
THDi	<3%
Efficiency	
Inverter Max. Efficiency	99.00%
Inverter Euro Efficiency	98.70%
Transformer	
Transformer Rated Power	6250kVA
Transformer Max. Power	7200kVA
LV/MV Voltage	0.63kV-0.63kV/(10~35)kV
Vector Group	Dy11y11
Cooling Type	ONAN
Oil Type	Mineral Oil(PCB free)
Protection	
DC Input Protection	Circuit Breaker
AC Output Protection	Circuit Breaker
MV Output Protection	Circuit Breaker
Surge Protection	DC Type II/AC Type II
Anti-islanding Protection	Yes
Insulation Monitoring	Yes
Leakage Current Monitoring	Yes
Overheat Protection	Yes
DC Reverse Polarity Protection	Yes
AC Short-circuit Protection	Yes
Anti-PID Function	Optional
General Specifications	
Dimensions (W x H x D)mm	12192*2896*2438
Weight(t)	29
IP Class	IP54
Auxiliary Power Supply	5kVA
Operating Ambient Temperature Range	-40 ~ +60°C
Operating Relative Humidity Range	0~100%
Max. Operating Altitude	1000m (Standard)
Cooling Method	Forced Air Cooling
Communication	Standard: Modbus RS485, Optional: IEC104 Optical Fiber
Display	Touch Screen

*Specifications subject to change without prior notice.



DC 1500V Turnkey Solution

Max. PV Voltage up to 1500V
 DC/AC Ratio up to 1.5

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

Full Power Output Under 50°C
 IP54 Outdoor Protection

Modular Design for Easy Maintenance
 Max. 56 DC Inputs

