





# DC 1500V Turnkey Solution

 Max. PV Voltage up to 1500V  
DC/AC Ratio up to 1.8

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

 Max. 48 DC Inputs  
IP54 Outdoor Protection

 Modular Design for Easy Maintenance  
Full Power Output Under 50°C

## Technical Specifications

MODEL	GSM6250D-MV
<b>Input(DC)</b>	
Max. DC Input Voltage	1500Vdc
Min./Start Voltage	860V/940V(adjustable)
MPPT Voltage Range	875~1300V
No. of MPPT	4
No. of DC Input	Max. 48*400A ( 40*500A/630A optional )
Max. DC Input Current	8018A
<b>Output(AC)</b>	
Rated AC Output Power	6250kW
Max. AC Output Power	6876kW
Inverter Max. Output Current	6616A
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%
<b>Efficiency</b>	
Inverter Max. Efficiency	99.00%
Inverter Euro Efficiency	98.70%
<b>Transformer</b>	
Transformer Rated Power	6250kVA
Transformer Max. Power	6876kVA
LV/MV Voltage	0.6kV-0.6kV/(10~35)kV
Vector Group	Dy11y11
Cooling Type	ONAN
Oil Type	Mineral Oil(PCB free)
<b>Protection</b>	
DC Input Protection	Load Break Switch + Fuse
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
<b>General Specifications</b>	
Dimensions (W x H x D)mm	12192*2896*2438
Weight(t)	29
IP Class	Inverter IP55/Others 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.