



DC1500V Outdoor Inverter



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

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

 Full Power Output Nnder 55°C
IP55 Outdoor Protection

 Modular Design for Easy Maintenance
Max. 24 DC Inputs

Technical Specifications

MODEL	GSM3125D
Input(DC)	
Max. DC Input Voltage	1500Vdc
Min./Start Voltage	860V/940V(adjustable)
MPPT Voltage Range	875~1300V
No. of MPPT	2
No. of DC Input	Max. 24*400A (20*500A/630A optional)
Max. DC Input Current	4009A
Output(AC)	
Rated AC Output Power	3125kW@50°C
Max. AC Output Power	3438kW@45°C
Rated AC Voltage	600Vac, 3W+PE
AC Voltage Range	510Vac~660Vac
Rated Grid Frequency	50/60Hz
AC Grid Frequency Range	45~55/55~65(adjustable)
Rated Output Current	3007A
Max. Output Current	3308A
Power Factor (cosΦ)	0.8leading~0.8lagging
THDi	<3%
Efficiency	
Max. Efficiency	99.00%
Euro Efficiency	98.70%
Protection	
DC Input Protection	Load Break Switch + Fuse
AC 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	2350*2400*1300
Weight(kg)	3500
IP Class	IP55
Topology	Transformerless
Operating Ambient Temperature Range	-40 ~ +60°C (> 50°C derating)
Operating Relative Humidity Range	0~100%
Max. Operating Altitude	4000m (> 3000m derating)
Cooling Method	Forced Air Cooling
Power Consumption at Night	< 250W
Communication	Modbus RS485
Display	Touch Screen

*Specifications subject to change without prior notice.