






# 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 Under 55°C  
IP55 Outdoor Protection

 Modular Design for Easy Maintenance  
Max. 24 DC Inputs

## Technical Specifications

MODEL	GSM3125D
<b>Input(DC)</b>	
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
<b>Output(AC)</b>	
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%
<b>Efficiency</b>	
Max. Efficiency	99.00%
Euro Efficiency	98.70%
<b>Protection</b>	
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
<b>General Specifications</b>	
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.