DG2000-2508kWh-2H0
Smart GFM Energy Storage System



GFM Foundation

- VSG Grid-forming technology
- Hundred-MW scale grid-forming
- Coordinated grid-forming operation

Simple Delivery

- Standard 10-foot container with all-in-one design for friendly -transportation
- AC-DC system pre-integrated in factory and no internal cabling on site
- Plug and play, less underground cabling on site
- Compact in size, suitable for demanding road conditions

Software-Defined Energy

- Cube design
- Flexible combination
- A product architecture that enables software-defined multiple energy resource

Smart O&M

- PV and load power prediction
- Intelligent economic scheduling algorithm
- Lowest Levelized Cost of Energy (LCOE) over the entire lifecycle

This datasheet is intended solely as a reference for product selection. Product specifications, parameters and functions may change due to version upgrades. The final technical specifications shall be based on the contract.

Energy Storage System Parameters	
Model type	DG2000-2508kWh-2H0
Rated capacity	2508kWh
Maximum cycle rate	0.5 CP
Depth of charge and discharge	0~100%（On-Gird）、5%~95%（Off-Grid）
Dimensions(L x W x H)	2,991 mm x 2,438 mm x 2,896 mm
Weight	≤ 25 T
Operating temperature range	-30 ℃ ~ 55 ℃
Storage temperature range	-35 ℃ ~ 60 ℃
Operating humidity range	5 ~ 95% (non-condensing)
Maximum operating altitude	≤3,000 m
System temperature control mode	Liquid Cooling Pack&PCS
SOC calibration mode	Automatic
Fire suppression mode	Directional gas exhaust, Rear explosion venting,Active Exhaust, Aerosol, Pack-Level Fire Suppression
UPS Auxiliary power supply	176~264 Vac，Single Phase，≤5 kW
Communication port	Ethernet / Optical fiber
Communication protocol	GOOSE、Modbus TCP
Protection class	IP55
Corrosion Protection Class	C5H；Level I
EMC protection rating	Class A
Protection mode	Anti-islanding protection, residual current detection, insulation resistance detection , AC overcurrent protection, and AC cable connection protection
Standards Conformity	UN38.3、UN3536、IEC62477-1:2022、IEC62619:2022、IEC63056:2020 IEC61000-6-2&IEC61000-6-4
Battery Parameters (DC)	
Cell material	LFP
Rated Cell capacity	314Ah
Battery pack configuration	1P104S
Number of battery packs	24
Battery operating voltage range	1000~1500V
PCS Parameters (AC)	
PCS model type	DG2000-450kW-H0
Rated output power	450 kW
Rated AC current	376.5A
Number of PCS	3
AC voltage & frequency	690 V (3P3W)，50 / 60 Hz
Adjustable power factor range	-1 ... +1
THDi（rated operating condition))	≤3%