

# DG1000-1672kWh-2H0

## Smart GFM Energy Storage System



### Simple Delivery

- Standard 10-foot container with all-in-one design for friendly -transportation
- AC-DC system integrated and pre-tested in factory
- Built-in Transformer



### Smart O&M

- Intelligent generation and consumption forecast and scheduling
- Smart monitoring and alarm system
- Seamless transfer between on-grid mode and off-grid mode



### GFM Foundation

- VSG Grid-forming technology
- Hybrid grid forming with PV and diesel generator
- Coordinated grid-forming operation



### Software-Defined Energy

- Cube design
- Flexible combination with DoGo C&I ESS
- A product architecture that enables software-defined multiple energy source

#### Statement:

This product datasheet to be as detailed and comprehensive as possible based on existing information. The company reserves the full right to modify data, parameters, and other information. The final interpretation belongs to DoGo Power.

Energy Storage System Parameters	
Model type	DG1000-1672kWh-2H0
Rated capacity	1672kWh
Maximum cycle rate	0.5 CP
Depth of charge and discharge	0~100% ( On-Grid ) 、 5%~95% (Off-Grid)
Dimensions (L x W x H)	2,991 mm x 2,438 mm x 2,896 mm
Weight	≤ 22 T
Operating temperature range	-30 °C ~ 55 °C
Storage temperature range	-35 °C ~ 60 °C
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
Communication port	Ethernet / Optical fiber
Communication protocol	GOOSE、 Modbus TCP
Protection class	IP55
Corrosion Protection Class	C5; II level
EMC protection rating	Class B
Protection mode	Residual current detection, insulation resistance monitoring, AC over-current protection, and AC cable connection protection
Certification standards	UN38.3; GBT34120; IEC62477-1; IEC62040-1; IEC61000-6-1/2/3/4; IEC61727;
Battery Parameters (DC)	
Cell material	LFP
Rated Cell capacity	314Ah
Battery pack configuration	1P104S
Number of battery packs	16
Battery operating voltage range	1000~1500V
PCS Parameters (AC)	
PCS model type	DG1000-450kW-H0
Rated output power	450kW
Rated AC current	376.5A
Number of PCS	2
AC voltage & frequency	690 V (3P3W) , 50 / 60 Hz
Adjustable power factor range	-1 ... +1
THDi (rated operating condition) )	≤3%
Transformer Parameters	
Transformer type	Dry-type transformer
Rated capacity	900kVA
Voltage ratio	0.69kV/0.40kV
Connection group	Dy11

Note:

1. Rated operating condition: In the on-grid scenario, the ambient temperature is 25°C, the charge/discharge rate is 0.5 CP, and the AC output voltage is 400 Vac.
2. This product datasheet is used only for the bidding of early projects.