

GCB-E100

INDUSTRIAL AND COMMERCIAL ENERGY STORAGE CABINET

100kWh/ 50kW

PRODUCT FEATURE



HIGH CYCLE LIFE

Can achieve 6000 cycles at 90% state of charge, effectively reducing total cost of ownership.



FAST CHARGING SPEED

High charge and discharge efficiency, reducing equipment downtime and saving more time.



HIGHLY ADAPTABLE

Strong environmental adaptability, can withstand up to 60°C.



SAFER

Real-time monitoring of BMS for better system protection.



EASY TO STORE

Due to its extremely low self-discharge rate (LSD) and no risk of sulfation, it can last up to 6 months.



EASY TO STORE

Lithium batteries provide more watt-hours per kilogram while weighing only one-third of their SLA equivalents.

PRODUCT PARAMETER

TYPE PARAMETER	
Model number	GCB-E100
Type	100kWh/50kW
Battery cell	LFP314Ah
Battery pack	51.2V 314/280Ah
Rated voltage (V)	358.4V(7 module series)
Rated energy (kWh)	112.53kWh/100.35kWh
Voltage range (V)	280~403
Inverter	Deye
Grid type	Three-Phase four-Wire
Rated charging and discharging power (kW)	50
Rated grid voltage (V)	AC380
Applicable grid frequency (Hz)	50
Rated current (A)	76
Total distortion rate of current harmonics	<3%
Power factor range	1(Ahead of schedule)~1(Lag)
Size: W*D*H (mm)	1200*803*2375
Weight (kg)	1300
Level	IP54
Operating temperature range (°C)	-20~50°C
Relative humidity	0~95%
Altitude (m)	<2000
Cooling method	Air cooling (refrigeration, ventilation, heating)
Noise	≤75dB
System efficiency	≥90%
Fire protection system	Integrated
Messaging	RS485, CAN

*The data in this table is for reference only, and is subject to actual delivery.