



C&I ESS SOLUTION

GE-F128/F240 Series Outdoor Battery Cabinet



Ultimate Protection Continuing "0" safety accidents

- **Six-dimensional** safety design, eliminating the risk of fire and explosion
D1 electrical isolation + D2 physical insulation + D3 active exhaust + D4 directional venting + D5 aerosol suppression + D6 water fire sprinkler
- High-intensity cabinet, unique patented door latch design, eliminates structural weak points
- **Hour-level fire resistance**, prevent heat spread



Highly Integrated All-in-one quick deployment

- Outer cabinet wall preset inverter bracket installation position, **no wall bearing concerns, no need to drill**
- Single cabinet can easily deploy **PV+ESS, PV+ESS+DG**
- Can be installed **side by side or back to back**, reducing the footprint



Stable Efficient Excellent performance ensures returns

- Long-life lithium iron phosphate battery, **≥ 8000 cycles**
- High-efficiency thermal management, no derating at 45°C, cell temperature difference **≤ 5°C**
- **Full-range 0.5P** charge and discharge, efficient recharging, stable load-bearing



Intelligent management Flexible adaptation and expansion

- Leading **rack-level + pack-level + cell-level** energy balancing algorithm, non-inductive pack change and cabinet expansion
- Single cabinet can be configured with a **2/3/4h system of 30~125kW**, up to **10 units** battery cabinet parallel
- Integrated energy platform, 24/7 AI smart customization of optimal power usage strategies

Outdoor Battery Cabinet		
GE-F128/F240		
Model	GE-F128-BC-4-A3	GE-F240-BC-4-A3
Main Parameters		
Cell Type	LiFePO ₄	
Module Capacity (Ah)	314	
Module Nominal Voltage (Vdc)	51.2	
Module Energy (kWh)	16.07	
Module Qty In Series	8	15
System Nominal Energy (kWh)	128	241
System Usable Energy (kWh) ¹	128	241
System Nominal Voltage (Vdc)	409.6	768
System Operating Voltage (Vdc)	320-467.2	600-876
Rated DC Power (kW)	64	121
Charge/Discharge Max. Continuous	180	
Current(A) ² Peak discharge@15s/25±2°C	285	
Communication protocol	CAN2.0, Modbus, TCP/IP	
Operating Temperature(°C) ³	-30~55	
Recommend Storage Temperature(°C)	0~35	
Humidity	5% ~ 95%RH (No Condensing)	
Altitude	3000m	
IP Protection	IP55	
Anti Corrosion Level	AC 277V	AC 480V
Dimension(W x D x H,mm)	998 x 1240 x 2400	1300 x 1240 x 2400
Weight(kg)	1700	2500
Installation Location	Floor mount	
Cycle Life	≥8000 (25±2°C,0.5P,EOL70%)	
Warranty	10 years	
Certification	UN38.3, UL1973, UL9540A, UL9540	

1. Test conditions : 100% DOD, 0.5P charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
2. The current is affected by temperature and SOC.
3. Derated operation at > 45°C.

Power Unit	Battery Cabinet Model	Specification
2h ESS Solution		
50/60kW	GE-F128-BC-4-A	50、60kW/128kWh
100/125kW	GE-F241-BC-4-A	100、125kW/241kWh
3h ESS Solution		
40kW	GE-F128-BC-4-A	40kW/128kWh
80kW	GE-F241-BC-4-A	80kW/241kWh
4h ESS Solution		
30kW	GE-F128-BC-4-A	30kW/128kWh
50/60kW	GE-F241-BC-4-A	50、60kW/241kWh

Deye Cloud

All-in-one Energy & Device Management Platform

- Unlock significant savings
- Individual Add-on for dynamic tariff
- Intelligent charging/discharging strategies
- Tailored solution to deye devices
- Real-time equipment monitoring
- Best energy scheduling solutions by Deye Copilot
- 24/7 AI Assistant support

Switch flexibly between autonomous and manual control

Display energy savings and costs

Support dynamic tariff and flat-rate

AI Assistant

Offer response suggestions and personalized support experience

Support over 30 languages

Analyze dynamic pricing, predict power load and PV generation to optimize energy dispatch and minimize electricity costs

Smarten Up Your Hybrid Energy Storage System

Download Deye Cloud APP to join us!

Embrace a seamless, effortless energy experience that's both eco-friendly and budget-friendly with our intelligent assistant



APP & Web Manage your energy effortlessly	Cloud-edge Collaboration Faster and more efficient	Accelerated Connection Optimized for speed and performance	Localized Data Centers Ensure data sovereignty and compliance in EU & US	Deye Copilot AI-powered energy analysis and control	AI Assistant 24/7 support, fast, efficient, in your language
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POWERING YOUR LIFE



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