



# ALL IN ONE HESS HYBRID ENERGY STORAGE SYSTEM

## 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
<b>Main Parameters</b>		
Cell Type	LiFePO <sub>4</sub>	
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) <sup>1</sup>	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) <sup>2</sup> Peak discharge@15s/25±2°C	285	
Communication protocol	CAN2.0, Modbus, TCP/IP	
Operating Temperature(°C) <sup>3</sup>	-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)	1690	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.

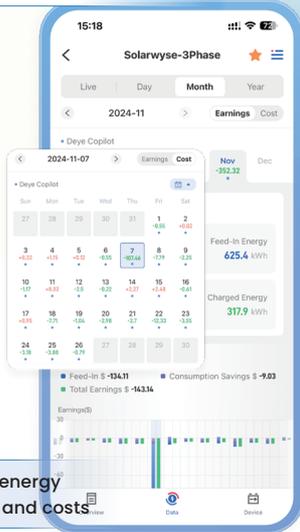
Power Unit	Battery Cabinet Model	Specification
<b>2h ESS Solution</b>		
50/60kW	GE-F128-BC-4-A	50、60kW/128kWh
100/125kW	GE-F241-BC-4-A	100、125kW/241kWh
<b>3h ESS Solution</b>		
40kW	GE-F128-BC-4-A	40kW/128kWh
80kW	GE-F241-BC-4-A	80kW/241kWh
<b>4h ESS Solution</b>		
30kW	GE-F128-BC-4-A	30kW/128kWh
50/60kW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



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



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