



# SMALL-SCALE C&I ESS SOLUTION

## HYBRID ENERGY STORAGE SYSTEM

GE-F128 Outdoor Battery Cabinet

+

Hybrid Inverter



### 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+BESS, PV+BESS+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 **≤ 6°C**
- **0.63C** Max Continuous Charge/Discharge, Fast & Stable Power Supply



### 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 **2/4h ESS system**, up to **10 units** battery cabinet parallel
- Integrated energy platform, **24/7 AI** smart customization of optimal power usage strategies

# Outdoor Battery Cabinet

## Model

GE-F128-BC-4-A3

## Main Parameters

Cell Type	LiFePO <sub>4</sub>
Module Capacity (Ah)	314
Module Nominal Voltage (Vdc)	51.2
Module Energy (kWh)	16.08
Module Qty In Series	8
System Nominal Energy (kWh)	128.61
System Usable Energy (kWh) <sup>1</sup>	128.61
System Nominal Voltage (Vdc)	409.6
System Operating Voltage (Vdc)	320-467.2
Rated DC Power (kW)	64
Charge/Discharge Max. Continuous	200
Current(A) <sup>2</sup> Peak discharge@15s/25±2°C	314
Communication Port	CAN, RS485
Communication protocol	CAN2.0, Modbus485
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	C4-M
Auxiliary Power Voltage	AC 277V(L+N); AC 208V(L+L)
Dimension(W x D x H,mm)	998 x 1240 x 2405.5
Weight(kg)	1690
Installation Location	Floor mount
Cycle Life	≥8000 (25±2°C,0.5P,EOL70%)
Warranty	10 years
Certification	UN38.3, UL1973, UL9540A, UL9540-DC, NFPA855

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.

# HESS Solution (Recommend)



GE-F128

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**60K-3P-480V\***  
Battery Input Terminal Rating: 160A  
ESS OperatingC- rate: 0.5C



**60K-3P-480V**  
Battery Input Terminal Rating: 50A\*2  
ESS OperatingC- rate: 0.3C

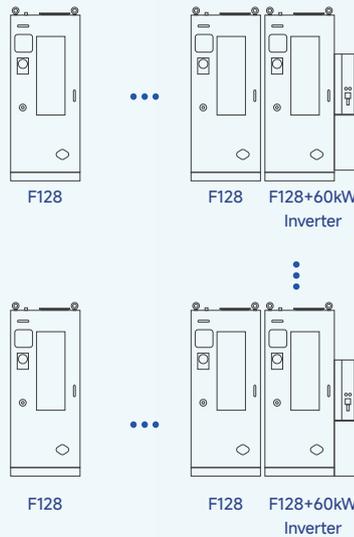


**30K-3P-208V**  
Battery Input Terminal Rating: 50A\*2  
ESS OperatingC- rate: 0.23C

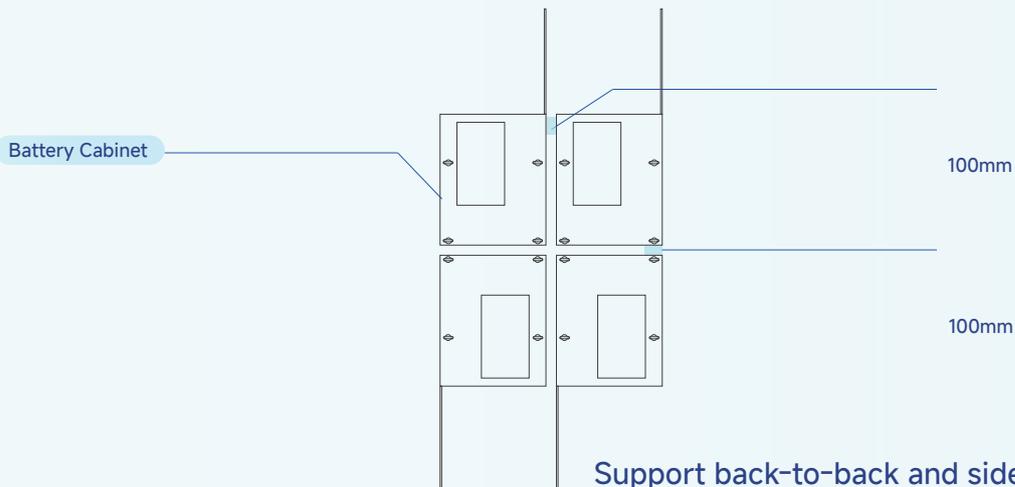
Power Unit	Battery Cabinet Model	Specification
<b>2h ESS Solution</b>		
60K-3P-480V(160A)	GE-F128-BC-4-A3	60kW/128kWh
<b>2.5~3h ESS Solution</b>		
60K-3P-480V	GE-F128-BC-4-A3	40kW/128kWh
<b>4h ESS Solution</b>		
30K-3P-208V	GE-F128-BC-4-A3	30kW/128kWh

## AC/DC Side Parallel Expansion (Capacity & Power)

### HESS HYBRID ENERGY STORAGE SYSTEM



Battery Cabinet DC side  
Up to 10-unit parallel for capacity expansion  
(1.28MWh)



# 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

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



### AI Assistant



Offer response suggestions and personalized support experience

Support over 30 languages

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



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