

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

 DI 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
- \cdot High-efficiency thermal management, no derating at 45°C, cell temperature difference \leq 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
- \cdot 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

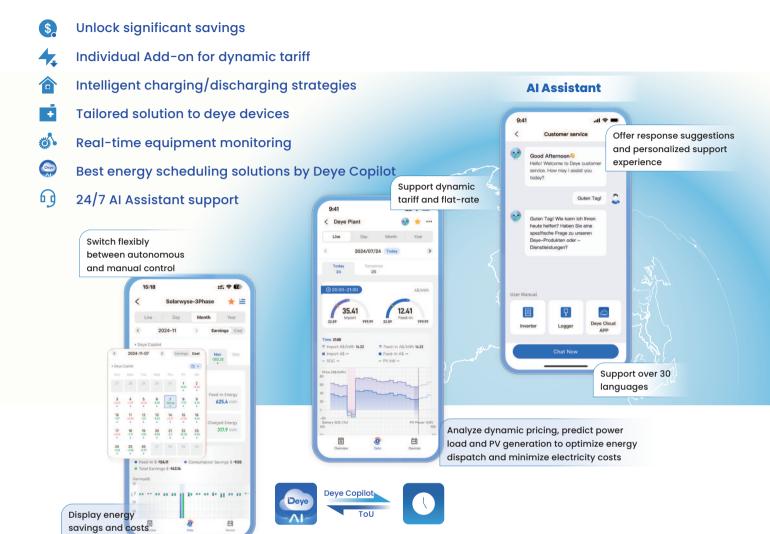
Model	GE-F128-BC-4-A3	GE-F240-BC-4-A3	
Main Parameters			
Cell Type	LiFePO ₄		
Module Capacity (Ah)	3′	314	
Module Nominal Voltage (Vdc)	51	51.2	
Module Energy (kWh)	16.	16.07	
Module Qty In Series	8	15	
System Nominal Energy (kWh)	128	241	
System Usable Energy (kWh)*1	128	241	
System Nominal Voltage (Vdc)	409.6	768	
System Operating Voltage (Vdc)	320-467.2	600~876	
Rated DC Power (kW)	64	121	
Charge/Discharge Max. Continuous	18	180	
Current(A)*2 Peak discharge@15s/25±2	2°C 28	285	
Communication protocol	CAN2.0, Mo	CAN2.0, Modbus, TCP/IP	
Operating Temperature(°C)*3		-30~55	
Recommend Storage Temperature(°C)	0~	0~35	
Humidity	5% ~ 95%RH (I	5% ~ 95%RH (No Condensing)	
Altitude	300	3000m	
IP Protection	IPE	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, U	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

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