

Deye GE-FH60 & GE-FL60

61.44kWh modular C&I energy storage with integrated EMS, BMS, and inverter.

Models Covered: GE-FH60 & GE-FL60

Manufacturer: Ningbo Deye Technology Co., Ltd. (Stock Code: 605117.SH)

Application: The Deye GE-FH60 & GE-FL60 are advanced small-scale C&I energy storage solutions for North America. Featuring LiFePO₄ chemistry, 5.12kWh modules (61.44kWh total), ≥6,000 cycles, 90% depth of discharge, integrated EMS/BMS/inverter, parallel expansion up to 3,600kWh, gas/smoke/temperature detection, aerosol fire suppression, IP55 protection, and -30°C to 60°C operation, they deliver robust and safe power for commercial applications.

Technical Specifications

Parameter	GE-FH60 & GE-FL60
Electrical / AC Output Data	
Rated AC Power	60000 W
AC Grid Connection Type	phase
Nominal Voltage	51.2 V
Operating Voltage Range	480~700 V
Rated AC Output Current	72.3 A
System Capacity	61.44 W
System Nominal Voltage	307.2 V
Frequency / Frequency Range	60Hz
Grid Type / Phase	Three phase
Battery Data	
Battery Energy Capacity	5.12 kWh
Nominal Capacity	200 Ah
Battery Type / Chemistry	LiFePO4
Continuous Charge/Discharge Power	100 W
Cycle Life	≥6,000 cycles
Depth of Discharge	90%
Max Continuous Charge/Discharge Current	125A
Maximum Charging Efficiency	91%
Module Capacity	100 Ah
Module Energy	5.12 kWh
Nominal / Rated Charge-Discharge Current	100A
Peak Charge/Discharge Current	125A
Recommended Charge/Discharge Current	50 A
Scalability / Max Expandable Capacity	3,600 kWh
Charge Temperature Range	0~55°C

Parameter	GE-FH60 & GE-FL60
Discharge Temperature Range	-20 °C ~ 55°C
Number of Modules in Series	6
Protection Features	
IP Rating	IP55
Certifications	FCC, UL1973,UL9540A , UN38.3
Mechanical Data	
Installation / Mounting	Floor-Mounted
Operating Conditions	
Max Altitude	2,000 m
Operating Temperature	-30 to 60 °C
Relative Humidity	5 ~ 85%
Storage Temperature Range	0 °C ~ 35°C
Communication	
BMS Communication	CAN

Note: Specifications are based on the official Deye GE-FH60 & GE-FL60 datasheet. Values may be subject to change; always verify against the latest manufacturer documentation before system design and procurement.

Availability & grid compliance in UAE

Market	UAE
Grid authority / regulator	DEWA, ADDC, SEWA
Quotation currency	AED
Support hours timezone	Asia/Dubai
Delivery & installation coverage	Dubai, Abu Dhabi, Sharjah, Ajman, Ras Al Khaimah

Figures on this page are the manufacturer's own, measured at the test conditions the datasheet states — they do not change by country. What changes is the approval that has to be met before the unit is energised: in UAE that is DEWA, ADDC, SEWA. Confirm the grid code, import requirements and any local certification with them, or with us, before you order.

Key Features & Technical Highlights

- **LiFePO₄ Chemistry:** Stable, long-life cells
- **Modular Design:** 5.12kWh modules, 61.44kWh total
- **Flexible Expansion:** Parallel up to 3,600kWh
- **Integrated EMS & BMS:** Built-in energy & battery management
- **Fire Suppression:** Aerosol fire protection
- **Advanced Safety:** Gas, smoke & temp detection

Frequently Asked Questions

- ▶ Is the DEYE GE-FH60 & GE-FL60 suitable for hot climates like the Gulf?
- ▶ What's the difference between GE-FL60 and GE-FH60?
- ▶ Can I expand this system?

Official Source & Documentation

This technical datasheet is derived from official manufacturer documentation provided by **Ningbo Deye Technology Co., Ltd.** For the latest specifications, firmware updates, and official documentation, visit the manufacturer's website.

- **Manufacturer Website:** www.deyeinverter.com
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Disclaimer: All specifications and technical data presented on this page are based on the official Deye GE-FH60 & GE-FL60 datasheet published by Ningbo Deye Technology Co., Ltd. Specifications are subject to change without notice. Always verify against the latest manufacturer documentation at deyeinverter.com before system design, procurement, or installation. Compliance with local regulations, grid codes (DEWA, ADDC, SEWA) and utility requirements in UAE is the responsibility of the system designer/installer.

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