

Felicity LPBF48300-48350

Introducing the Felicity Solar LPBF48300-48350, a state-of-the-art battery solution designed for optimal energy storage. With a usable capacity of 15kWh and advanced LiFePO4 technology, this battery ensures high efficiency and reliability for your energy needs.

Models Covered: LPBF48300, LPBF48350

Manufacturer: Shenzhen Felicity Solar Technology Co., Ltd.

Application: Ideal for residential solar systems, commercial energy storage, and backup power solutions, providing consistent and sustainable energy.

LITHIUM BATTERY

15KWH

6V

Technical Specifications

Technical Specifications		
Parameter	LPBF48300	LPBF48350
Battery Specifications		
Usable Capacity	15kWh	17.5kWh
Battery Type	LiFePO4	
Nominal Voltage	51.2V	
Operating Voltage	48-57.6V	
Recommend Charge/Discharge Current	≤120A	≤200A
Recommend Charge/Discharge Power	≤6000W	≤10000W
Maximum Charge/Discharge Current (15s)	200A	250A
Maximum Charge/Discharge Power (15s)	10000W	12500W
Depth of Discharge (DOD)	≥95%	
Scalability	Up to 6 units in parallel	
Communication	CAN&RS485	
Ingress Protection	IP21	
Cycle Life	≥6000 Cycles @25°C, 80% DOD	
Charging Temperature Range	0-55°C	
Discharging Temperature Range	-20-60°C	
Display	LED	
Installation	Floor-Mounted	
Protection	Built-in smart BMS, Breaker, Fuse	
Net Weight	154KG	162KG
Gross Weight	177KG	185KG
Product Dimension	615*350*955MM	622*350*955MM
Package Dimension	718*450*1112MM	

Note: Specifications are based on the official Felicity Solar datasheet. Values may be subject to change; always verify against the latest manufacturer documentation.

Key Features

Super long warranty: 5 years warranty.

High quality lithium iron phosphate battery.

Big capacity with small volume for household.

≥6000 times deep cycle charge and discharge.

High class of safety with built-in BMS protection.

Support 6 pcs connected in parallel mode for expansion.

Applications & Use Cases

Typical Applications

- Home solar systems
- Commercial projects
- Industrial applications
- Off-grid systems
- Hybrid systems

Frequently Asked Questions

▼ What are the main performance specifications of the LPBF48300-48350 battery?

The LPBF48300-48350 battery has a usable capacity of 15kWh and operates at a nominal voltage of 51.2V. It supports a recommended charge/discharge current of up to 120A and power of up to 6000W, with a maximum short-term power capacity of 10000W for 15 seconds.

► Is the LPBF48300-48350 battery compatible with other systems?

► What are the physical specifications of the LPBF48300-48350 battery?

► What are the installation requirements for the LPBF48300-48350 battery?

► What warranty is offered with the LPBF48300-48350 battery?

► What certifications does the LPBF48300-48350 battery have?

► What are the operating conditions for the LPBF48300-48350 battery?

► What are the key features and benefits of the LPBF48300-48350 battery?

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.

Official Source & Documentation

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

- **Manufacturer Website:** felicitysolar.com
- **Technical Support:** support@felicitysolar.com
- **Sales Inquiries:** sales@felicitysolar.me

Disclaimer: All specifications and technical data presented on this page are based on the official Shenzhen Felicity Solar Technology Co., Ltd. datasheet. Specifications are subject to change without notice. Always verify against the latest manufacturer documentation before system design, procurement, or installation.

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