2.3 Specifications

Model	LPBF24100-S	LPBF24150-S	LPBF24200-S	LPBF48100-S	LPBF48150-S	LPBF48200-S
Usable Capacity	2.5KWH	3.75KWH	5KWH	5KWH	7.5KWH	10KWH
Nominal Voltage	25.6	25.6	25.6	51.2	51.2	51.2
Voltage Range	24-28.8	24-28.8	24-28.8	48-57.6	48-57.6	48-57.6
MAX. Charge & Discharge Current	100A@30S	120A@30S	120A@30S	100A@30S	120A@30S	120A@30S
Recommend Charge & Discharge Current	≤50A	≤80A	≤80A	≤50A	≤80A	≤80A
MAX. Output Power	2500W	3000W	3000W	5000W	6000W	6000W
Recommend Output Power	1250W	2000W	2000W	2500W	4000W	4000W
DOD	≥95%					
Modules Connection	1~6in parallel					
Communication	CAN&RS485					
Ingress Protection	IP21					
Cycle Life	⩾3000@25°C, 80%DOD					
Working Temperature Range	Discharge:-20°C to +65°C, Charge:+0°C to +55°C					
Net Weight(KG)	23.5KG	48KG	48KG	46KG	93KG	93KG
Gross Weight(KG)	25.8KG	53KG	53KG	51KG	99KG	99KG
Product Dimension(MM)	514*251*209MM	500*450*213MM	500*450*213MM	559*414*203MM	800*545*213MM	800*545*213MM
Package Dimension(MM)	572*312*297MM	622*572*298MM	622*572*298MM	667*502*288MM	922*667*298MM	922*667*298MM

2.4 Recommended Settings

Lithium battery pack is not same as lead-acid battery, so for the devices which you connect with the battery pack for charging or discharging, such as inverters, MPPT charger controllers or UPS, please implement pre-settings as recommended settings as below before you launched them.

Setting	LPBF24100-S	LPBF24150-S	LPBF24200-S	LPBF48100-S	LPBF48150-S	LPBF48200-S
Max. Charging Voltage	28.8V			57.6V		
Floating charging Voltage	28.8V			57.6V		
Max. Charging Current	50A*N	80A*N		50A*N	80A*N	
Cut-off voltage	24V			48V		

3.1 Unpacking and Inspection

Before installation, please inspect the unit. Be sure that nothing inside the package is damaged. You should have received the following items inside of package.

NO	NAME	SPECIFICATION	PICTURE
1	Wall mount	Wall mount bracket	
2	Communication line 1	Grid activation communication wire (used with 6)	
3	Communication line 2	Used for Communication among batteries	
4	Communication line 3	Used for communication between battery and host computer	
5	Cables	Used for battery parallel connection	
6	Adapter	Used for activating the pack when grid power recover	
7	Screw	Mounting screw	
8	PV Wake up line	Used for auto restart when PV comeback in off-grid system	
9	User manual	User manual	
10	Guarantee card	Guarantee card	

3.2 Mounting the Unit

Consider the following points before selecting where to install:

- Do not mount the battery on flammable construction materials.
- The ambient temperature should be between 0°C and 45°C to ensure optimal operation.
- The recommended installation position is to be adhered to the wall vertically.
- Be sure to keep other objects and surfaces as shown in the right diagram to guarantee sufficient heat dissipation and to have enough space for removing wires.

	LPBF 24100 -S
A	80
B	160
C	160
D	102
E	209
F	107