




Lead-acid Replacement Series


Replacement for Lead Acid, GEL or AGM
in LFP Battery Solutions


12V/24V/36V/48V




 Drop-in Replacement

 Tier One, A+ LiFePO4 Cell Composition

 5 Years Warranty Guarantee

 Smart Hardware & Software Design

 Long Service Life

 Eco-Friendly

Lead-acid to Lithium

12V Series

	B-LFP12-7	B-LFP12-20	B-LFP12-50	B-LFP12-100
Nominal Voltage	12.8V			
Typical Capacity (At 0.2c Discharge Rate)	7Ah	20±1Ah	50±1Ah	100±1.5Ah
Energy	89.6Wh	256Wh	640Wh	1280Wh
Charging Cutoff Current	About 0.35A	About 1A	About 2.5A	About 2A
Discharging Inner Resistance	≤ 80mΩ	≤ 60mΩ	≤ 60mΩ	≤ 60mΩ
Weight	About 1.1Kg	About 2Kg	About 5.2Kg	About 10.5±0.5Kg
Dimension (L*W*H) ±2mm	151*65*94	181*77*170	198*165*175	330*172*215
Modules In Series	4	4	4	4
Cycle	≥1500, 80%DOD (0.5C, 25℃)	≥1500, 80%DOD (0.5C, 25℃)	≥3500, 80%DOD (0.5C, 25℃)	≥4000, 80%DOD (0.5C, 25℃)
Output Mode	T2 Terminal	M6 Terminal	M8 Terminal	M8 Terminal
Pack Configuration	4P/4S	4P/4S	4P/4S	4P/4S

12V Series

	B-LFP12-120	B-LFP12-200	B-LFP12-300
Nominal Voltage	12.8V		
Typical Capacity (At 0.2c Discharge Rate)	120Ah	200±3Ah	300±5Ah
Energy	1536Wh	2560Wh	3840Wh
Charging Cutoff Current	About 2A	About 10A	About 75A
Discharging Inner Resistance	≤ 60mΩ	≤ 60mΩ	≤ 60mΩ About 25Kg
Weight	About 13Kg	About 19Kg	
Dimension (L*W*H) ±2mm	330*172*215	483*170*240	532*207*215
Modules In Series	4	4	4
Cycle	≥3500, 80%DOD (0.5C, 25℃)	≥3500, 80%DOD (0.5C, 25℃)	≥3500, 80%DOD (0.5C, 25℃)
Output Mode	M8 Terminal	M8 Terminal	M8 Terminal
Pack Configuration	4P/4S	4P/4S	4P/4S

Additional Data

Discharge	Working Current	0.5C
	Maximum Current	1C
	Cut-off Voltage	About 10V
Charge	Voltage	14.4±0.1V
	Working Current	0.5C
	Max Charging Current	≤1C
	Charge Mode	CC/CV, please use special lithium charger
Operation Temperature	Charge	0℃ ~ +55℃
	Discharge	-20℃ ~ +60℃
Storage Temperature	-20℃ ~ 45℃	
Protection Function	Overcharge, over-discharge, over-current, short circuit and other protection functions	
Shell Material	ABS	

Note: Parameters can be adjusted according to customer requirements

Lead-acid to Lithium

24V Series

	B-LFP24-50	B-LFP24-100	B-LFP24-120
Nominal Voltage		25.6V	
Typical Capacity (At 0.2c Discharge Rate)	50±1Ah	100±1.5Ah	120Ah
Energy	1280Wh	2560Wh	3072Wh
Charging Cutoff Current	About 0.35A	About 5A	About 6A
Discharging Inner Resistance	≤ 60mΩ	≤ 60mΩ	≤ 60mΩ
Weight	About 9.5Kg	About 19Kg	Approx 22.5Kg
Dimension (L*W*H) ±2mm	260*168*209	483*170*240	532*207*215
Modules In Series	2	2	2
Cycle	≥3500, 80%DOD (0.5C, 25°C)	≥3500, 80%DOD (0.5C, 25°C)	≥3500, 80%DOD (0.5C, 25°C)
Output Mode	M8 Terminal	M8 Terminal	M8 Terminal
Pack Configuration	4P/2S	4P/2S	4P/2S

24V Series

	B-LFP24-150	B-LFP24-200
Nominal Voltage		25.6V
Typical Capacity (At 0.2c Discharge Rate)	150±3Ah	200±3Ah
Energy	3840Wh	5120Wh
Charging Cutoff Current	About 7.5A	About 20A
Discharging Inner Resistance	≤ 60mΩ	≤ 60mΩ
Weight	About 25Kg	About 37Kg
Dimension (L*W*H) ±2mm	522*240*218	520*269*220
Modules In Series	2	2
Cycle	≥3500, 80%DOD (0.5C, 25°C)	≥3500, 80%DOD (0.5C, 25°C)
Output Mode	M8 Terminal	M8 Terminal
Pack Configuration	4P/2S	4P/2S

Additional Data

Discharge	Working Current	0.5C
	Maximum Current	1C
	Cut-off Voltage	About 20V
Charge	Voltage	28.8±0.2V
	Working Current	0.5C
	Max Charging Current	≤1C
	Charge Mode	CC/CV, please use special lithium charger
Operation Temperature	Charge	0°C ~ +55°C
	Discharge	-20°C ~ +60°C
Storage Temperature		-20°C ~ 45°C
Protection Function	Overcharge, over-discharge, over-current, short circuit and other protection functions	
Shell Material	ABS	

Note: Parameters can be adjusted according to customer requirements

Lead-acid to Lithium

36V Series

B-LFP36-67

B-LFP36-100

Nominal Voltage	38.4V	
Typical Capacity (At 0.2c Discharge Rate)	67±1Ah	100Ah
Energy	2572.8Wh	3840Wh
Charging Cutoff Current	About 0.35A	About 5A
Discharging Inner Resistance	≤ 60mΩ	≤ 60mΩ
Weight	About 17.80Kg	About 28.5Kg
Dimension (L*W*H) ±2mm	483*170*240	522*240*218
Cycle	≥3500, 80%DOD (0.5C, 25℃)	≥3500, 80%DOD (0.5C, 25℃)
Output Mode	M8 Terminal	M8 Terminal
Pack Configuration	4P2S	4P2S

48V Series

B-LFP48-18

B-LFP48-67

Nominal Voltage	51.2V	
Typical Capacity (At 0.2c Discharge Rate)	18±0.5Ah	67±1Ah
Energy	921.6Wh	3430Wh
Charging Cutoff Current	About 0.9A	About 3.3A
Discharging Inner Resistance	≤ 160mΩ	≤ 60mΩ
Weight	About 8.3Kg	About 23.5Kg
Dimension (L*W*H) ±2mm	260*168*209	522*240*218
Cycle	≥1500, 80%DOD (0.5C, 25℃)	≥3500, 80%DOD (0.5C, 25℃)
Output Mode	M8 Terminal	M8 Terminal
Pack Configuration	4P	4P

Additional Data

36V Series

48V Series

Discharge	Working Current	0.5C	
	Maximum Current	1C	
	Cut-off Voltage	About 30V	About 40V
Charge	Voltage	43.2±0.2V	57.6±0.1V
	Working Current	0.5C	
	Max Charging Current	≤1C	
	Charge Mode	CC/CV, please use special lithium charger	

Operation Temperature	Charge	0℃ ~ +55℃
	Discharge	-20℃ ~ +60℃

Storage Temperature	-20℃ ~ 45℃
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Protection Function	Overcharge, over-discharge, over-current, short circuit and other protection functions
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Shell Material	ABS
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Note: Parameters can be adjusted according to customer requirements