



LiFePO4 Battery Series

The LiFePO4 battery has series the same standard structural specifications as of the lead-acid battery, comparatively having the advantages of high safety, good reliability, long cycle life, good high/low temperature performance, etc. With these unique advantages, it has been using in a wide range of application scenarios, such as RV, sightseeing carts, marine, scooters, tricycles, emergency lighting, and security monitoring. The LiFePO4 battery is an ideal drop-in replacement solution for the traditional lead-acid batteries used on the existing market.

- PLUG&PLAY

LONG LIFE SPAN

EXPANDABLE
- FLEXIBLE INTERCONNECTION

INTELLIGENT BMS

Lead Acid Battery Replacement

PRODUCT SPECIFICATIONS

LITHIUM BATTERY SERIES									
Item	BP-LFP 12008	BP-LFP 12012	BP-LFP 12020	BP-LFP 12050	BP-LFP 12100H	BP-LFP 12150H	BP-LFP 12200	BP-LFP 12300	BP-LFP 24100H
Cell Model	LiFePO4 26700- 3.2V 4000 mAh			LiFePO4 3.2V 50Ah			LiFePO4 3.2V 100Ah		
				3.2V 100Ah					
Nominal Capacity(Ah)	8	12	20	50	100	150	200	300	100
Rated Energy(Wh)	102.4	153.6	256	640	1,280	1,920	2,560	3,840	2,560
Rated Voltage(V)	12.8								25.6
Charge Ending Voltage(V)	14.6V (14.2 Preferred)								29.2V (28.4 Preferred)
Discharge Ending Voltage(V)	10	10	10	10	10	10	10	10	20
Standard Charge Current(A)0.2C	1.6	2.4	4	10	20	30	40	60	20
Max. Charge Curren(A)	≤8	≤12	≤20	≤50	≤100	≤150	≤150	≤150	≤100
Standard Discharge Current(A)	4	6	10	25	50	75	100	100	50
Max. Discharge Current(A)	≤10	≤15	≤20	≤50	≤100	≤150	≤150	≤150	≤100
Operating Temperature	(Charge) c			-0~+50 ℃					
	(Discharge)c			-20~+55 ℃					
Operating Voltage(V)	10-14.6								20.0-29.2
Shell type	ABS								
Weight(kg)	0.8	1.5	3.5	8	13.5	18	23	33	23
Physical dimensions (mm)(L*W*H)	150*65*94	150*99*94	180*76*168	223*134*177	326*170*216	483*170*240	483*170*240	522*240*218	483*170*240

- General Features
- 1.Stand 3U/19inch design

2.Rack mounted, parallel supported

3.Smart BMS, adjustable protection parameter

4.RS485/RS232/CAN communication port

5.LCD Screen/breaker/terminal can be customized

6.Compatible with mainstream inverters

Item	General Parameter			
Battery Model	BPR51250	BPR512100	BPR512130	BPR512200
Energy	2560Wh	5120Wh	6656Wh	10240Wh
Rated Capacity	50Ah	100Ah	130Ah	200Ah
Nominal Voltage	51.2V			
Cut-Off Voltage	47V			
Charging Voltage	54.5V			
Standard Charge	CC@0.2C to 54.5V,then CV till current to 0.05C			
Max. Continuous Charge Current	50A	100A	100A	120A
Max. Continuous Discharge Current	50A	100A	100A	120A
Pulse Discharge Current	60A	120A	120A	130A
Communication	CAN / RS232 / RS485			
Operation Temperature	Charge: 0~55℃			
	Discharge:- 20~65℃			
Storage Temperature	0~45℃			
Cycle Life	≥6000 Cycles			
Parallel Connection	Yes			
Certificates	UN38.3 / MSDS /CE /UKCA			
Dimension(L*W*H)	482*400*133 mm	482*495*177 mm	482*560*177 mm	482*560*267 mm
Net Weight	25kg	46kg	58kg	85kg



Powerwall Battery

- General Features
- 1.Built-in BMS for real time monitoring

2.Grade-A cell, 6000+cycles@80% DOD

3.Multiple batteries in parallel

4.High consistency, low inner resistance

5.Optimal design for easy installation and less space

6.wide compatibility with main brand inverter



Item	General Parameter	
Battery Model	BPW512100	BPW512200
Energy	5120Wh	10240Wh
Rated Capacity	100Ah	200Ah
Nominal Voltage	51.2V	
Cut-Off Voltage	47V	
Charging Voltage	54.5V	
Standard Charge	CC@0.2C to 54.5V,then CV till current to 0.05C	
Max. Continuous Charge Current	100A	200A
Max. Continuous Discharge Current	100A	200A
Pulse Discharge Current	150A	250A
Communication		CAN / RS232 /RS485
Operation Temperature	Charge: 0~55℃	
	Discharge:-20~65℃	
Storage Temperature	0~45℃	
Cycle Life	≥6000 Cycles	
Parallel Connection	Yes	
IP Grade	IP67	
Certificates	UN38.3 / MSDS /CE / UKCA	
Dimension(L*W*H)	750*450*163mm	880*520*163mm
Net Weight	55kg	94kg



Power Brick

Model	BPB512100	BPB512200	BPB512300	BPB512400
General Parameters				
Nominal voltage	51.2V			
Battery voltage range	43.2-57.6V			
Nominal capacity	100Ah	200Ah	300ah	400Ah
Rated energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Standard Charge/Discharge current	0.5C	0.5C	0.5C	0.5C
Max.Charge/Discharge current	1C	1C	1C	1C
Communication	CAN/RS485			
Expandable capability	15P			
Cycle Life (25°C±2°C, 0.5C/0.5C, 80%EOL)	≥ 6000			
Protection	Over voltage &Under voltage/Over current/Short-circuit/Over temperature &Under temperature protection etc.			



General Features

- 1.Digital monitoring system
- 2.Reliable LFP cells
- 3.Compatible with most leading inverters
- 4.scable up to 163kwh in parallel

Battery Specifications		
Model No	BPT512314	BPT512400
Battery Chemistry	LiFePO4 Battery	
Rated Voltage	51.2V	
Capacity	314AH	400AH
Energy	16.08kWh	20.48kWh
Max.charge Voltage	56Vdc	
Max.discharge Voltage	46Vdc	
Max.charge Current	150A	150A
Max.discharge Current	150A	150A
Dimension(W*H*D)	522.6*1007*343mm/20.6*39.6*13.5 in	650*1005*400mm /25.9*39.6*15.7 in
Weight Approximate	135kgs /298 lbs	210.5kgs /464 lbs
Cycle Life(25±2°C,0.5C/0.5C,80%EOL)	6500	



General Features

- 1.Smart App
- 2.High inverter compatibility
- 3.IP20 /IP65 waterproof rating
- 4.scalable up to 300kwh in parallel



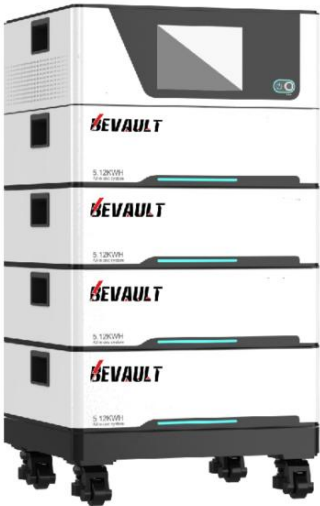
General Features

- 1.one-stop home solution
- 2.Modular design and easy installation
- 3.Smart BMS, adjustable protection parameter
- 4.GPRS/WIFI/remote monitoring
- 5.LCD Screen/breaker/terminal can be customized
- 6.Compatible with mainstream inverters

Model	BPA512-10		BPA512-15		BPA512-20		BPA512-25		BPA512-30	
Inverter parameter										
Rated power	10kW									
AC rated voltage	230VAC									
Selectable voltage range	90-280VAC									
Frequency range	50Hz/60Hz									
AC voltage	230VAC±5%									
Efficiency	93.5%									
Transfer time	10ms									
Waveform	Sine wave									
Rated battery voltage	51.2V									
Battery voltage range	43.2-57.6V									
Compatible battery type	Lithium									
Max.PV array open circuit voltage	500VDC									
Max.PV array power	11kW									
MPPT range@Operating voltage	90-450VDC									
Max.charge current	150A									
Battery parameter										
Rated capacity	10 kWh		15 kWh		20 kWh		25 kWh		30 kWh	
Nominal voltage	51.2V									
Discharge voltage range	43.2-57.6V									
Charging current	0.5C@25°C									
Max.charging current	1C@25°C									
Max.discharge current	1C@25°C									
Max.power output	10240Wh		15360Wh		20480Wh		25600Wh		30720Wh	
Depth of discharge DOD	0.9									
Communication Interface	RS485/RS232/CAN									
Cycles	25±2°C,0.5C/0.5C,EOL80%≥6000									
Working Temp.Range	Charge:0°C~50°C Discharge:-10°C~60°C									



All In One ESS





Item	General Parameter		
Battery Model	BPF12300	BPF12450	BPF12600
Energy	3840Wh	5760Wh	7680Wh
Rated Capacity	300Ah	450Ah	600Ah
Nominal Voltage	12.8V		
Cut-Off Voltage	10V		
Charging Voltage	14.6V		
Standard Charge	CC@0.2C to 14.6V,then CV till current to 0.05C		
Max. Continuous Charge Current	100A		
Max. Continuous Discharge Current	200A		
Pulse Discharge Current	400A(5s)		
Bluetooth Function	Optional		
Operation Temperature	Charge:0~55℃		
	Discharge:-20~65℃		
Storage Temperature	0~45℃		
Cycle Life	≥6000 Cycles		
Connection	Series / Parallel		
IP Grade	IP54		
Certificates	UN38.3 / MSDS /CE		
Dimension(L*W*H)	359x190x265mm	400x230x265mm	420x305x265mm
Net Weight	28.5kg	38.5kg	54kg

General Features

- 1.High density LiFePO4 cells
- 2.Precise BMS control,safe performance
- 3.High duty long cycle life 6000+cycles
- 4.Flexible dimension
- 5.Optional LCD and bluetooth

Item	General Parameter			
Battery Model	BPG384105	BPGT512100	BPG512160	BPG768105
Energy	4032Wh	5376Wh	8192Wh	8064Wh
Rated Capacity	105Ah	105Ah	160Ah	105Ah
Nominal Voltage	38.4V	51.2V	51.2V	76.8V
Cut-Off Voltage	30V	40V	40V	60V
Charging Voltage	43.8V	58.4V	58.4V	87.6V
Standard Charge	CC@0.2C to 43.8V/58.4V/58.4V/87.6V,then CV till current to 0.05C			
Max. Continuous Charge Current	100A	100A	160A	100A
Max. Continuous Discharge Current	100A	200A	200A	100A
Pulse discharge current	200A	400A	400A	315A
Communication	CAN / RS485			
Operation Temperature	Charge: 0~55℃			
Discharge:	-20~65℃			
Storage Temperature	0~45℃			
Bluetooth Function	Yes			
LCD Display	Optional			
IP Grade IP67	IP67			
Certificates	UN38.3 / MSDS /CE			
Dimension(L*W*H)	385*338*245 mm	509*334*230mm	779*339*230mm	740*320*246 mm
Net Weight	34kg	45kg	68kg	72kg



Golf Cart Battery

General Features

- 1.Brand new&grade A deep cycle LiFePO4 cell
- 2.Simple to install and easy to get started
- 3.Bluetooth to check battery status
- 4.Compatible with mianstream vehicle controller
- 5.High discharge rate, long-life span
- 6.parallel-solution for different compartment



