

# BPLi Series

## LiFePO4

### Equivalent SMF Battery Pack

## Introduction

PWR247 4U Techsol Pvt. Ltd. fulfills the Energy Solutions needs of customers by providing safe LiFePO4 battery solutions for UPS and Energy storage system.

These battery systems are an ideal replacement for SMF batteries in UPS and energy storage systems, offering full compatibility, enhanced safety, and a long cycle life.

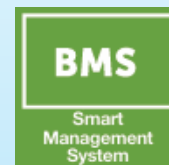
## Features

- Internal cell balancing, Passive equalization, the maximum equalization current up to 150mA
- High-precision cell voltage and temperature acquisition
- Thermal conductivity potting material for heat dissipation inside the module
- Advance communication feature for real time monitoring
- Plug & Play back-up solution

## Application

- Telecom
- UPS
- Emergency light
- Solar System

## Product Overview



## 36V Lithium Battery Pack Technical Specification

Model	BPLi36V26	BPLi36V42	BPLi36V65
Voltage	33.6 ~ 43.2V DC		
Cell Voltage	3.2V		
Cell Configuration (Series)	12S		
Rated Voltage	38.4V		
Equivalent SMF V/Ah	36V/26Ah	36V/42Ah	36V/65Ah
Maximum Charge Rate	1C		
Discharge Cut-off Voltage	33.6V		
Cycle life (@25°C,0.5C/0.5C,80%DOD)	Up to 5000		
Short-circuit current (<10ms)	Approx. 1000A		
Dimension (W x D x H) in mm	90 x 300 x 310		160 x 200 x 330
Approx. Weight (Kg)	9	17	23
Internal Resistance Fully Charged @25°C	≤ 50mOhm		
Thermal Management	Natural Air Cooling		
Operating temperature	Charge	0 ~ 50°C	
	Discharge	- 20 ~ 60°C	
Operating humidity	0 ~ 90% (Non Condensing)		
Communication (Optional)	CAN, RS485, Bluetooth		
Paralleling Capability (Optional)	Up to 16 Nos.		

\* The specifications are subjected to change without any prior notice.

## 48V Lithium Battery Pack Technical Specification

Model	BPLi48V26	BPLi48V42	BPLi48V65
Voltage	42 ~ 54V DC		
Cell Voltage	3.2V		
Cell Configuration (Series)	15S		
Rated Voltage	48V		
Equivalent SMF V/Ah	48V/26Ah	48V/42Ah	48V/65Ah
Maximum Charge Rate	1C		
Discharge Cut-off Voltage	42V		
Cycle life (@25°C,0.5C/0.5C,80%DOD)	Up to 5000		
Short-circuit current (<10ms)	Approx. 1000A		
Dimension (W x D x H) in mm	90 x 300 x 310	160 x 200 x 330	
Approx. Weight (Kg)	11	19	25
Internal Resistance Fully Charged @25°C	≤ 50mOhm		
Thermal Management	Natural Air Cooling		
Operating temperature	Charge	0 ~ 50°C	
	Discharge	- 20 ~ 60°C	
Operating humidity	0 ~ 90% (Non Condensing)		
Communication (Optional)	CAN, RS485, Bluetooth		
Paralleling Capability (Optional)	Up to 16 Nos.		

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## 72V Lithium Battery Pack Technical Specification

Model	BPLi72V26	BPLi72V42	BPLi72V65
Voltage	64.4 ~ 82.8V DC		
Cell Voltage	3.2V		
Cell Configuration (Series)	23S		
Rated Voltage	73.6V		
Equivalent SMF V/Ah	72V/26Ah	72V/42Ah	72V/65Ah
Maximum Charge Rate	1C		
Discharge Cut-off Voltage	64.4V		
Cycle life (@25°C,0.5C/0.5C,80%DOD)	Up to 5000		
Short-circuit current (<10ms)	Approx. 1000A		
Dimension (W x D x H) in mm	90 x 300 x 310	160 x 440 x 300	
Approx. Weight (Kg)	18	34	46
Internal Resistance Fully Charged @25°C	≤ 50mOhm		
Thermal Management	Natural Air Cooling		
Operating temperature	Charge	0 ~ 50°C	
	Discharge	- 20 ~ 60°C	
Operating humidity	0 ~ 90% (Non Condensing)		
Communication (Optional)	CAN, RS485, Bluetooth		
Paralleling Capability (Optional)	Up to 16 Nos.		

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