

MERITSUN®

12v LiFePO4 Lithium Battery



Adaptive BMS for Optimal Power

Built-in Independent Patent Technology BMS
Intelligent Battery Control
Optimized Battery Performance.



Lightweight Design

Light weight and compactness make it ideal for
a wide range of applications, from off-grid
systems to recreational vehicles.



Soft Start

Soft start function safeguards sensitive
electronics from voltage spikes.



Automatic balancing function

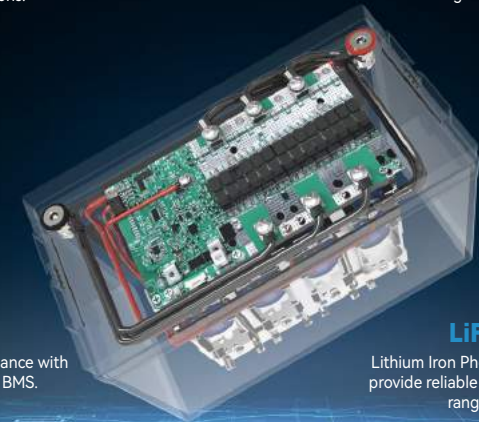
Meritsun's active balancing technology maximizes
the energy capacity of the battery pack, ensuring
you get the most out of every charge.

Positive Copper Terminal

Crafted from high-quality copper, our terminals
ensure a stable and secure connection for your
electrical applications.

IP65

Enjoy peace of mind with IP65 protection,
guaranteeing that devices are safeguarded
against dust and water exposure.



BMS

Maximize Battery Performance with
Our State-of-the-Art BMS.

LiFePO4 Cell

Lithium Iron Phosphate (LiFePO4) batteries
provide reliable and stable power for a wide
range of applications.

www.meritsunbattery.com

PRODUCT SPECIFICATION

Battery Model	LFP6-12	LFP12-12	LFP18-12	LFP30-12	LFP42-12	LFP50-12	LFP100-12	LFP150-12	LFP200-12	LFP300-12	LFP400-12
Nominal Voltage (V)	12.8										
Nominal Capacity	6	12	18	30	42	50	100	150	200	300	400
Charge Voltage	14.6V										
Dimension	151*65*94	151*99*99	181*77*170	174*165*125	195*166*170	229*138*208	330*172*215	330*172*240	483*170*240	522*240*218	520*269*220
Weight	1.0kg	1.5kg	2.2kg	3.8kg	4.5kg	6.5kg	10.5kg	19kg	23k	33kg	41kg
Discharge cut-off voltage	10V										
Standard Charge Current	1.2A	2.4A	3.6A	6A	8.4A	10A	20A	30A	40A	60A	80A
Max. Charge Current	6A	10A	20A	30A	40A	50A	100A	150A	150A	150A	200A
Max. Continues Discharge current	6A	10A	20A	30A	40A	50A	100A	150A	150A	150A	200A
Enclosure Protection Rating	IP65										
Working Temperature Range	-20 °C~60 °C										
Cycle Life	6000 Times										



MSDS

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