

Next-Generation Lithium Power -

# newmax<sup>®</sup>

## LFP Series

NEWMAX Lithium Series — delivering reliable, efficient,  
and eco-friendly energy solutions for tomorrow's world.



KOREA BATTERY CO., LTD.  
[www.newmaxbattery.co.kr](http://www.newmaxbattery.co.kr)

# newmax<sup>®</sup> Lithium Series

## Powering the Future with Smart Energy

Lightweight, Long-lasting, and Maintenance-Free — the new generation of Lithium Iron Phosphate (LiFePO<sub>4</sub>) batteries from NEWMAX<sup>®</sup>.

### Product Overview

The NEWMAX Lithium Series is designed to deliver superior performance, durability, and safety for modern energy storage applications. Built with advanced LiFePO<sub>4</sub> (LFP) technology, it ensures stable power delivery, long cycle life, and intelligent protection through an integrated Battery Management System (BMS). Available in 12.8V 100Ah, 150Ah, and 200Ah, this series is an ideal replacement for conventional industrial batteries in various fields.

### Key Features of Newmax LFP Battery

- Lightweight & Eco-Friendly – 50% lighter than conventional lead-based batteries.
- Wide Operating Temperature Range – Reliable from -20°C to +60°C.
- High Efficiency & Stable Power Output – Constant energy under high load.
- Maintenance-Free Design – No water refilling or corrosion issues.
- Extended Cycle Life – Over 5,000 cycles at 80% DOD.
- Intelligent BMS Protection – Overcharge, over-discharge, short circuit, overheating.
- Fast Charging Capability – Charges up to 4x faster than traditional batteries.
- IP Rating – IP65 (Dustproof and Waterproof)
- Optional Bluetooth Connection Functionality available

### Main Application Areas

- Solar & Renewable Energy Storage
- RVs & Marine Systems
- Golf Carts & Mobility Devices
- Backup Power for Telecom & Data Centers
- Industrial Equipment & UPS Systems

### Key Features In Chart

Comparison Item	NEWMAX Lithium (LFP)
Lightweight & Eco-Friendly	50% lighter than conventional lead-based batteries
Wide Operating Temperature Range	Reliable performance from -20°C to +60°C
High Efficiency & Stable Power Output	Provides constant energy even under high load
Maintenance-Free Design	No water refilling or corrosion issues
Extended Cycle Life	Over 5,000 cycles at 80% DOD
Intelligent BMS Protection	Overcharge, over-discharge, short circuit, and overheating protection
Fast Charging Capability	Charges up to 4x faster than traditional batteries
IP Rating	IP65 — Dustproof and Waterproof
Optional Bluetooth Connectivity	Bluetooth monitoring available upon request
Quality Assurance and Inspection	Final Quality Inspection and Finishing packaging done by Korea Battery Co., Ltd.
Warranty	5 years



LFP100A



LFP150A



LFP200A

### Technical Specifications

Model	Nominal Voltage	Capacity (Ah)	Energy (Wh)	Dimension (mm)	Weight (kg)	Cycle Life	BMS Protection
LFP100A	12.8V	100Ah	1280Wh	330×172×215	10.5	>5000	Yes
LFP150A	12.8V	150Ah	1920Wh	483×170×240	14.8	>5000	Yes
LFP200A	12.8V	200Ah	2560Wh	522×238×217	20.6	>5000	Yes



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**Head office:** 134, 1Gongdanro 6gil, Gumi-city, Gyeongsangbuk-Do, Korea TEL) +82-54-463-7091~3 FAX) +82-54-463-7094  
**Seoul office:** 3F Dogok B/D, 14, Nambusunhwanro, 359-gil Gangnam-Ku, Seoul, Korea TEL) +82-2-883-7091 FAX) +82-2-882-7094  
Email : [newmaxbattery@newmaxbattery.co.kr](mailto:newmaxbattery@newmaxbattery.co.kr)