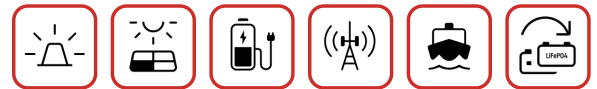


IRON-V LFP

LiFePO4 SERIES



The Iron-V LFP series is a high-performance LiFePO4 lithium battery designed for backup power, energy storage, and direct replacement of conventional lead-acid batteries. Featuring high energy density, an integrated Battery Management System (BMS), and a design life of up to 10 years, it delivers reliable and efficient performance across a wide range of applications.

BENEFITS

- ✦ Up to 2,000 charge/discharge cycles at 80% DOD and a design life of up to 10 years.
- ✦ Built-in Battery Management System providing protection against overcharge, over-discharge, overcurrent, short circuit, and extreme temperatures.
- ✦ Built-in Battery Management System providing protection against overcharge, over-discharge, overcurrent, short circuit, and extreme temperatures.
- ✦ Direct replacement for conventional VRLA lead-acid batteries without requiring equipment modifications.
- ✦ Maximum continuous discharge current and peak discharge current for demanding applications.
- ✦ IP65-rated enclosure providing enhanced protection against dust and water ingress.
- ✦ Lightweight construction with compact dimensions for easy installation and transportation.
- ✦ Communication with Bluetooth & App for monitoring.

- ✦ Supports up to 4 batteries in series and 4 parallel strings for greater system flexibility.

APPLICATIONS

- ✦ UPS Systems
- ✦ Backup Power Systems
- ✦ Security & Alarm Systems
- ✦ Solar Energy Systems
- ✦ Portable Power Solutions
- ✦ Telecommunications Systems
- ✦ Marine Applications
- ✦ Motorhomes & Recreational Vehicles
- ✦ Industrial Applications
- ✦ Lead-Acid Battery Replacement

Model	Nominal Voltage (V)	Nominal Capacity (Ah)	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Terminal	Weight (Kg)
Iron-V LFP12-20EV	12.8	20	181	77	167	167	M5	2.9
Iron-V LFP12-50EV	12.8	50	229	138	213	213	M6	6.9
Iron-V LFP12-60EV	12.8	60	229	138	213	213	M6	7.3
Iron-V LFP12-100SEV	12.8	100	306	169	215	215	M8	10.3
Iron-V LFP12-200EV	12.8	200	522	238	223	223	M8	22.0
Iron-V LFP24-50EV	25.6	50	330	172	220	220	M8	13.2
Iron-V LFP24-100EV	25.6	100	522	238	223	223	M8	22.0