

LiFePO4 Battery Pack



Benefits

- Stronger Instant Peak Power. Retrieve instant high power for acceleration and climbing
- Wider Voltage Range. Retrieve instant high power for acceleration and climbing
- Longer life Cycles over 2000 (> 6Years)
- Fast charging capability: 4C Charging capability
- Lighter weight: 50% weight of lead acid battery
- Wider working temperature range -20°C - +80°C

Description

RIPEnergy offers cutting - edge LiFePO4 Battery Solutions

We had simulated the worst field environment conditions in which battery packs would be used to find out the solutions.

Reliability Testing	
Temperature Range	-40°C - 150°C
Humidity Range	10%RH - 98%RH
Thermal Shock	5 Min. from -40°C to +150°C About 60 Min. from room temp. to 150°C About 90 Min. from room temp. to -40°C
Actuating shock force	2000 kgf
Frequency of shock	3 - 3000 Hz
Max. Speed	2 m/s
Max. Displacement	51 mm

- Built in BMS (Battery Management System) with CAN BUS
- Lithium Iron Phosphate (LiFePO4) battery technology
- Modular designed for EV, HEV, E-Boat and industrial application
- Cell balance current up to 2A or more



Electric motorcycle with built in 30C high rate discharge lithium iron phosphate battery.

The electric motorcycle won the speed race champion in TTXGP - first all electric motorcycle worldwide Grand Prix in UK.



LifePO4 Battery Pack Series POWER

	Voltage (V)	Capacity (AH)	max. Dischg. (A)	Length (cm)	Width (cm)	Height (cm)	Weight (kg)
012024PLiFe	12	24	100	15	15.7	23	6.1
012032PLiFe	12	32	100	18.8	15.7	23	8
012072PLiFe	12	72	100	38.9	15.7	23	17.7
012096PLiFe	12	96	100	47.9	15.7	23	23.2
024016PLiFe	24	16	100	18.8	15.7	23	8
024048PLiFe	24	48	100	47.9	15.7	23	23.2
036008PLiFe	36	8	100	15	15.7	23	6.1
036024PLiFe	36	24	100	38.9	15.7	23	17.7
036032PLiFe	36	32	100	47.9	15.7	23	23.2
048008PLiFe	48	8	100	18.8	15.7	23	8
048024PLiFe	48	24	100	47.9	15.7	23	23.2
108008PLiFe	108	8	100	38.9	15.7	23	17.7
144008PLiFe	144	8	100	47.9	15.7	23	23.2

LifePO4 Battery Pack Series ENERGY

	Voltage (V)	Capacity (AH)	max. Dischg. (A)	Length (cm)	Width (cm)	Height (cm)	Weight (kg)
012030ELiFe	12	30	100	11.2	18.9	23	5.5
012060ELiFe	12	60	100	18.8	18.9	23	10.4
012090ELiFe	12	90	100	25.7	18.9	23	15.6
012120ELiFe	12	120	100	32.9	18.9	23	20.3
012135ELiFe	12	135	100	38.9	18.9	23	23
012180ELiFe	12	180	100	47.9	18.9	23	30.1
024015ELiFe	24	15	100	11.2	18.9	23	5.5
024030ELiFe	24	30	100	18.8	18.9	23	10.4
024045ELiFe	24	45	100	25.7	18.9	23	15.6
024060ELiFe	24	60	100	32.9	18.9	23	20.3
024090ELiFe	24	90	100	47.9	18.9	23	30.1
036030ELiFe	36	30	100	25.7	18.9	23	15.6
036045ELiFe	36	45	100	38.9	18.9	23	23
036060ELiFe	36	60	100	47.9	18.9	23	30.1
048015ELiFe	48	15	100	18.8	18.9	23	10.4
048030ELiFe	48	30	100	32.9	18.9	23	20.3
048045ELiFe	48	45	100	47.9	18.9	23	30.1
072015ELiFe	72	15	100	25.7	18.9	23	15.6
072030ELiFe	72	30	100	47.9	18.9	23	30.1
096015ELiFe	96	15	100	32.9	18.9	23	20.3
108015ELiFe	108	15	100	38.9	18.9	23	23
144015ELiFe	144	15	100	47.9	18.9	23	30.1

(Specifications Subject to Change Without Notice)

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