FUSION

LITHIUM | LITHIUM CORE | LITHIUM PULSE

Deep Cycle LiFePO4 BATTERY

Australia's Leader in Lithium Technology



LiFePO4 (Lithium Ion Phosphate Battery)
For Cyclic, Standby And Starting Applications

- ***Available in 12.8V, 25.6V, 38.6V***
- ***Ultra Light Weight -*** 1/3 of normal lead-acid battery
- ***Longer Service Life -*** Thousands of cycles at 100% DOD under normal conditions
- ***Extremely Quick Recharge Time -*** Can be safely recharge with high current charge rates.
- ***Can be charged with standard 3 Stage AGM smart charges & alternators.***
- ***Built in Battery Management System (BMS)***
- ***Built in Automatic Protection from Over Charge, Over Discharge and Over Temperature***
- ***Direct Drop-in Replacement for Lead Acid Batteries -*** With considerably longer run-time
- ***Dry Cell Battery -*** No leaks or spills
- ***Safe to Use -*** The battery cannot explode or catch fire under normal operating conditions
- ***Long Shelf Life -*** Minimal self- discharge.
- ***Superior Design & Quality -*** Manufactured to Quality Assurance Standard ISO 9001
- ***High Energy Efficiency -*** Higher voltage resulting in a boost in performance
- ***HR Series for extreme heat conditions***
- ***Custom Options are available, enquiries within.***
- ***Fusion Lithium are the Pioneers and Benchmark for 12V & 24V LiFePo4 Batteries in Australia.***

APR 2025 Ver.

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Fusion Lithium batteries deliver safe lithium phosphate energy storage solutions in standard lead-acid battery sizes for a wide variety of applications. They are designed as a direct drop-in replacement for similar sized lead-acid batteries offering twice the run-time and less than half the weight.

Fusion Lithium Phosphate Batteries are an extremely light weight battery designed for deep-cycle (cyclic) applications and are a completely dry battery making them spill-proof and leak-proof. Fusion Lithium batteries have an extremely low self-discharge rate meaning a longer shelf life when compared to lead acid batteries and others Lithium Brand.

Fusion Lithium Batteries is the pioneer of lithium deep-cycle batteries in Australia. Our industry leading advancements in lithium technology has made us the benchmark for lithium deep cycle technology world-wide. With a major focus on research and development Fusion Lithium Batteries have been designed to be superior in every aspect. Our lithium batteries are the most powerful and lightest lithium batteries in the world.

Fusion Lithium Batteries can be charged using standard 3 stage AGM smart chargers.

LITHIUM Specifications

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				ASSEMBLY FIGURE	WEIGHT (± 2KG)	TERMINAL TYPE	BLUE TOOTH
		Amp Hour	BMS	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)				
V-LFP-12-6	12.8	6	6A	90	70	100	107		0.60	F1	-
V-LFP-12-12	12.8	12	15A	151	65	94	100		1.20	T2	-
V-LFP-12-15	12.8	15	15A	151	98	94	100		1.63	T2	-
V-LFP-12-20	12.8	20	20A	181	77	167	167		3.00	M5	-
V-LFP-12-28	12.8	28	30A	181	77	167	167		2.97	M5	-
V-LFP-12-30	12.8	30	30A	166	175	125	125		3.90	M5	-
V-LFP-12-30H	12.8	30	30A	195	125	175	175		4.15	M5	-
V-LFP-12-40	12.8	40	50A	197	130	157	168		4.60	M6	-
V-LFP-12-50	12.8	50	70A	228	165	170	168		6.50	M6	YES
V-LFP-12-55	12.8	55	70A	259	138	214	214		6.10	M8	YES
V-LFP-12-80	12.8	80	80A	259	168	210	220		9.25	M8	YES
V-LFP-12-100S	12.8	100	100A	259	168	210	220		10.60	M8	YES
V-LFP-12-100	12.8	100	100A	330	173	212	220		10.35	M8	YES
V-LFP-12-120S	12.8	120	100A	305	168	215	220		11.60	M8	YES
V-LFP-12-135	12.8	135	100A	330	173	212	220		14.30	M8	YES
V-LFP-12-150	12.8	150	100A	330	173	212	220		14.80	M8	YES
V-LFP-12-160	12.8	160	150A	280	265	206	206		16.50	M8	YES
V-LFP-12-200	12.8	200	150A	483	170	218	224		20.30	M8	YES
V-LFP-12-300	12.8	300	150A	522	240	238	224		29.50	M8	YES
V-LFP-24-100	25.6	100	100A	483	170	230	223		18.90	M8	YES
V-LFP-24-200	25.6	200	100A	522	268	218	224		36.50	M8	YES

Made with FIRE RETARDANT ABS PLASTIC

Drop-in Direct Replacement FOR LEAD ACID BATTERIES

QUALITY ASSURANCE ISO 9001

LITHIUM Specifications

Front Terminal

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				ASSEMBLY FIGURE	WEIGHT (± 2KG)	TERMINAL TYPE	BLUE TOOTH
		Amp Hour	BMS	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)				
V-LFP-12-60FT	12.8	60	60A	277	106	223	220		6.90	M8	YES
V-LFP-12-100FT	12.8	100	100A	395	110	286	276		10.65	M6	YES
V-LFP-12-120FT	12.8	120	100A	395	110	286	276		12.90	M8	YES
V-LFP-12-150FT	12.8	150	150A	551	110	240	230		15.50	M8	YES
V-LFP-12-200FT	12.8	200	150A	560	125	315	305		21.80	M8	YES

Slim line Series

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				WEIGHT (± 2KG)	TERMINAL TYPE	BLUE TOOTH
		Amp Hour	BMS	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)			
V-LFP-12-100SL	12.8	100	100A	495	350	60	60	14.5	Anderson	YES
V-LFP-12-150SL	12.8	150	100A	635	350	60	60	19.5	Anderson	YES

Golf Buggy Series

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				WEIGHT (± 2KG)	TERMINAL TYPE	BLUE TOOTH
		Amp Hour	BMS	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)			
G-LFP-12-16	12.8	16	20A	168	126	96	96	2.2	T bar +Anderson	-
G-LFP-12-22	12.8	22	30A	168	126	122	122	2.9	T bar +Anderson	-

LITHIUM CORE Specifications

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				ASSEMBLY FIGURE	WEIGHT (± 2KG)	TERMINAL TYPE	BLUE TOOTH
		Amp Hour	BMS	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)				
LFPC-DCL5	12.8	100	150A	335	175	190	190		11.20	M5	YES
LFPC12-110	12.8	110	150A	259	168	210	220		11.70	M6	YES
LFPC12-120	12.8	120	150A	305	168	210	220		13.10	M8	YES
LFPC12-135	12.8	135	150A	330	173	212	212		14.50	M8	YES
LFPC12-200	12.8	200	200A	483	170	238	238		21.70	M8	YES
LFPC12-260	12.8	260	200A	522	240	212	224		28.10	M8	YES
LFPC24-72	25.6	72	100A	330	173	212	212		14.60	M8	YES
LFPC36-48	38.4	48	100A	330	173	212	212		15.50	M8	YES
LFPC36-72	38.4	72	100A	483	170	238	238		22.90	M8	YES

Front Terminal

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				ASSEMBLY FIGURE	WEIGHT (± 2KG)	TERMINAL TYPE	BLUE TOOTH
		Amp Hour	BMS	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)				
LFPC12-125FT	12.8	125	150A	395	110	286	286		14.20	M8	YES
LFPC12-140FT	12.8	140	150A	551	110	240	240		16.00	M8	YES
LFPC12-200FT	12.8	200	150A	546	125	315	315		23.00	M8	YES
LFPC12-280FT	12.8	280	200A	561	125	316	316		30.10	M8	YES

Made with FIRE RETARDANT ABS PLASTIC

Drop-in Direct Replacement FOR LEAD ACID BATTERIES

QUALITY ASSURANCE ISO 9001

LITHIUM PULSE

Specifications

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				ASSEMBLY FIGURE	WEIGHT (± 2KG)	TERMINAL TYPE	BLUE TOOTH
		Amp Hour	BMS	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)				
LFP12-100P	12.8	100	200A	330	173	212	220	+ −	13.60	M8	-
LFP12-200P	12.8	200	250A	522	240	218	224	+ −	26.70	M8	-
LFP24-50P	25.6	50	200A	330	173	212	220	+ −	14.10	M8	-
LFP24-100P	25.6	100	250A	522	240	218	224	+ −	26.70	M8	-

Typical Applications

- Free Camping
- Golf Trolleys
- Toys
- Power Tools
- Pump Systems
- Emergency Lighting Systems
- Fire & Security Systems
- Portable Power
- Solar Energy Storage
- Marine Equipment
- Caravans, Campervans & Motorhomes
- Medical Equipment
- Vending Machines
- Telecommunication Systems
- Uninterruptible Power Supply (UPS)
- Electric Power System (EPS)
- Emergency Backup Power Supply
- Railway Signal
- Aircraft Signal
- Electronic Apparatus and Equipment
- Communication Power Supply
- DC Power Supply
- Auto Control Systems
- Solar Power Stations
- Television & Video Recorders
- Measurement Stations
- Boats or Buoys
- Signal Stations
- Survey and Mapping Systems
- Traffic Lights
- Street Lighting
- Street Signs
- SOS Pillars

Performance may vary depending on, but not limited to cell usage and application. If cell is used outside specifications performance will be diminished.

View live data with the intelligent Fusion Lithium Bluetooth 4.0 BLE Technology.

IT'S HERE!

Download OUR NEW APP

SCAN ME

What's NEW?

- View BMS parameters
- Track Cycle Life of your battery
- Individual Cell Voltage balance monitoring
- BMS Trigger Alarms
- Share error log via email
- Added Charge and Discharge Switch for added control
- Loads more technical information



Quick Start Guide:

1. Apply charge or discharge of >500mAH to the battery to wake Bluetooth receiver.
2. Find the identification code on top of Fusion Lithium battery.
3. Open the Fusion Pro App and click relevant code to connect.
4. Change your device's password for added protection (Default password is 123456)
5. Sit back, relax and Monitor your battery thru your smartphone.

Fusion Pro

Available on the App Store

Available on Google Play

WARNING:
The QR code on the battery itself may be wrong, please use the QR code on this pamphlet or **search Fusion Pro** in App Store or Play Store.

FUSION PRO