



FUSION

LITHIUM

LITHIUM CORE

LITHIUM PULSE

Deep Cycle LiFePO_4 BATTERY

Australia's Leader in Lithium Technology



LiFePO_4 (Lithium Ion Phosphate Battery) for Cyclic, Standby And Starting Applications

- Available in 12V, 24V, 36V
- **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 LiFePo_4 Batteries in Australia.**

QUALITY ASSURANCE
ISO 9001

www.superstart.com.au




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 (KG)	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	+	-	0.68	T1	-
V-LFP-12-12	12.8	12	15A	151	65	94	100	-	+	1.30	T2	-
V-LFP-12-15	12.8	15	15A	151	98	94	100	-	+	1.65	T2	-
V-LFP-12-20	12.8	20	20A	181	77	167	167	-	+	2.40	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	50A	228	165	170	168	-	+	6.50	M6	YES
V-LFP-12-55	12.8	55	60A	259	138	214	214	+	-	6.60	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	+	-	9.80	M8	YES
V-LFP-12-100	12.8	100	100A	330	173	212	220	+	-	13.10	M8	YES
V-LFP-12-120S	12.8	120	100A	305	168	215	220	+	-	13.40	M8	YES
V-LFP-12-135	12.8	135	100A	330	173	212	220	+	-	14.60	M8	YES
V-LFP-12-150	12.8	150	100A	330	173	212	220	+	-	16.10	M8	YES
V-LFP-12-200	12.8	200	150A	483	170	238	238	+	-	21.50	M8	YES
V-LFP-12-300	12.8	300	150A	522	240	218	224	-	+	36.10	M8	YES
V-LFP-12-400	12.8	400	200A	522	268	218	224	+	-	37.00	M8	YES
V-LFP-24-100	25.6	100	100A	483	170	238	223	+	-	18.90	M8	YES
V-LFP-24-200	25.6	200	150A	522	268	218	224	-	+	36.50	M8	YES

Front Terminal

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				ASSEMBLY FIGURE	WEIGHT (KG)	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	223	+ -	6.90	M8	YES
V-LFP-12-100FT	12.8	100	100A	395	110	286	286	- +	12.00	M8	YES
V-LFP-12-120FT	12.8	120	100A	395	110	286	286	- +	12.20	M8	YES
V-LFP-12-150FT	12.8	150	100A	551	110	240	240	- +	16.10	M8	YES
V-LFP-12-200FT	12.8	200	150A	560	125	315	315	- +	20.30	M8	YES

Slim line Series

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				WEIGHT (KG)	TERMINAL TYPE	BLUE TOOTH	
		Amp Hour	BMS	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)				
V-LFP-12-100SL	12.8	16	100A	495	350	60	60		14.5	Anderson	YES
V-LFP-12-150SL	12.8	22	150A	635	350	60	60		19.5	Anderson	YES

Golf Buggy Series

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				WEIGHT (KG)	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	-

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				ASSEMBLY FIGURE	WEIGHT (KG)	TERMINAL TYPE	BLUE TOOTH
		Amp Hour	BMS	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)				
LFPC12-48	12.8	48	80A	197	165	170	170	- +	5.90	M5	YES
LFPC12-72	12.8	72	80A	197	165	170	170	- +	7.90	M6	YES
LFPC-DCL5	12.8	100	150A	335	175	190	190	+ -	11.30	M8	YES
LFPC12-110	12.8	110	150A	259	168	210	220	- +	11.70	M8	YES
LFPC12-120	12.8	120	150A	305	168	215	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	218	224	+ -	28.10	M8	YES
LFPC12-300	12.8	300	200A	522	268	218	224	+ -	32.00	M8	YES
LFPC24-130	25.6	130	200A	522	240	218	224	+ -	28.00	M8	YES
LFPC24-72	25.6	72	100A	330	173	212	212	- +	16.10	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



Specifications

Front Terminal

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				ASSEMBLY FIGURE	WEIGHT (KG)	TERMINAL TYPE	BLUE TOOTH
		Amp Hour	BMS	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)				
LFP12-125FT	12.8	125	150A	395	110	286	286		14.20	M8	YES
LFP12-140FT	12.8	140	150A	551	110	240	240		16.00	M8	YES
LFP12-200FT	12.8	200	150A	546	125	315	315		23.00	M8	YES
LFP12-280FT	12.8	280	200A	561	125	316	316		30.10	M8	YES



Specifications

MODEL	VOLTS	CAPACITY @ 20HR		DIMENSIONS				ASSEMBLY FIGURE	WEIGHT (KG)	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	168		13.60	M8	-
LFP12-200P	12.8	200	250A	522	240	218	214		26.70	M8	-
LFP24-50P	25.6	120	200A	330	173	212	220		14.10	M8	-
LFP24-100P	25.6	135	250A	522	240	218	220		26.70	M8	-
LFP24-150P	25.6	150	250A	520	269	220	220		28.50	M8	-

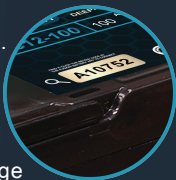
View live data with the intelligent Fusion Lithium Bluetooth 4.0 BLE technology.

FUSION LITHIUM BATTERY Bluetooth

Monitoring System

VOLTAGE CAPACITY BATTERY HEALTH CHARGE STATUS

Find the identification code on top of Fusion Lithium battery. Open the Fusion Lithium App and click relevant code to connect.



- Access your BMS independently with multiple batteries
- Monitor the status of your lithium battery: State Of Charge (SOC), Temperature, charging or discharging current, etc
- Track the Cycle Life of your Lithium Battery
- Assess what protections have been triggered



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.

