

**MEGA·LiFe®** Your new energy solution for a MEGA LiFe.



**MEGA·LiFe®**  
**Battery**

**LiFeP04**  
**LITHIUM ION BATTERY**  
For Vehicles



# The best Lithium ion battery on the market!

## Lightweight!

## More Powerful!

## More Safety!

## Higher Performance!

In our modern world, lithium batteries have now become a fixed part of everyday life. High power, low weight, minimum memory effect, zero maintenance and low self-discharge rates are just a few of the advantages of lithium battery technology.

Here at MEGA•LiFe, we hold product compliance with EU RoHS Directive, CE certification mark and certification in the US FCC. All products adhere to UN38.3 safety and transport

requirements. Safe, reliable and environmentally friendly products that significantly outperform current battery technology.

With different configurations to suit racing applications from kart, bike, tarmac, off road, marine and more, MEGA•LiFe has a battery for almost all racing needs. A 3-year manufacture full replacement warranty is further proof of our confidence in this outstanding product.

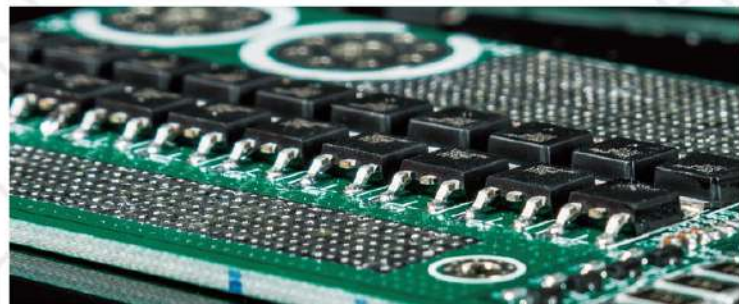






## IBMS - Integrate Battery Management System

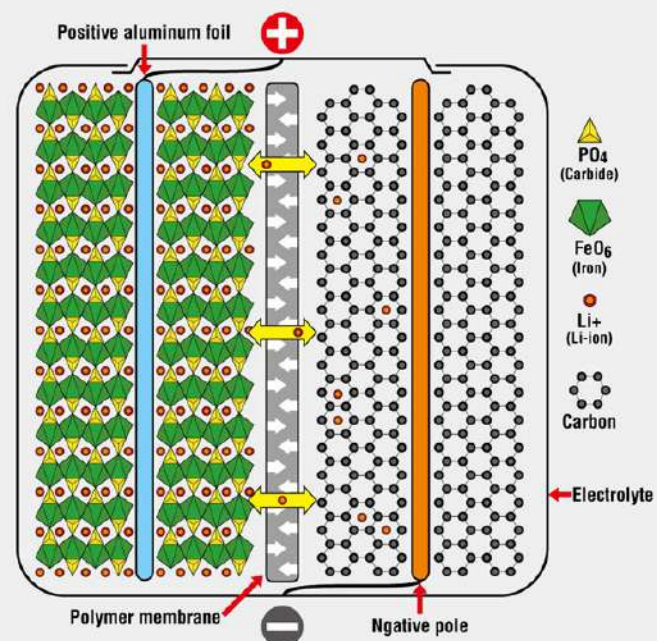
MEGA•LiFe batteries have an integrated battery management system (IBMS) with unique features to add to the already superior performance. Cell balancing, overcharge voltage, short circuit, over discharge and over temperature internal protection circuits add to the already safe LiFePO<sub>4</sub> chemistry. Selected models also include the industry leading, emergency start feature to add to the versatile and unique features of this line of products.



## LifePO<sub>4</sub> - Ultimate Safety, No Acid, No Risk

The 'LiFe' in MEGA•LiFe batteries refers to the **Lithium Iron Phosphate (LiFePO<sub>4</sub>)** chemistry used. LiFePO<sub>4</sub> or LFP batteries retain all the benefits of any lithium battery but are significantly safer and are not prone to the overheating and explosive issues found in other chemistries (LIPO or lithium polymer chemistry found in mobile phones for example).

This chemistry allows for charge/discharge rates up to 10x that of lead acid chemistry (including AGM, Gel, flooded, sealed, etc). Benefits also include full depth of discharge capability, up to 1/3 the weight and 5 times the cycle life of conventional lead acid!







Mercedes-AMG E 63 S

## MEGA•LiFe Battery has reached a benchmark - the 5"S"

### Safety

- IBMS Protection: Overcharge voltage, over discharge current, short circuit and overheating protection.
- Casing system: Waterproof, shock proof and completely sealed.

### Save Energy

- High electrical discharge rate: Rated continuous current up to 6C, instantaneous discharge to over 20C. Power for high demand starting applications, high draining spark systems and large current accessories.
- High Energy Conversion: Up to 3C charging current with negligible conversion loss means fast charging and efficiency from the charge source (vehicle alternator, stationary charger, solar etc.)

### Smart

- Standby reserve cell: Intelligent, integrated battery management system with 'emergency start' reserve cell has automatic low voltage cutoff to prevent ultimate system drain. Reserve cell activated with a single push button for vehicle starting or emergency power.

### Satisfaction

- Warranty: 3-year, full replacement warranty.
- Maintenance free: Sealed design mean zero maintenance for life of the battery.
- Wide application range: 54 different configurations to suit direct replacement for cars, motorbikes, boats and jetskis. Racing applications to suit formula, bike, any car racing, marine and kart.

### Sustainability

- Leaving Lead Behind: Free of harsh acids and dangerous heavy metals.
- Green product: Non-toxic, non-pollutive, recyclable product with compliance to RoHS environmental standards.

### Performance Increase



	MEGA•LiFe Battery	Lead-acid battery
Weight (Same Model)	Under 1/3	1
Discharge rate (Month)	1%	5%~7%
Charging time from drain to full	15min	4~6 hours
Lifetime / Cycle	5~10 years / 1500	1~3 years / 300
Waterproof	3 meters (IPX8)	None
Shockproof	10 meters drop test	None
Emergency Starting	One Touch Start	None
Environmental protection	RoHS environmental standards	Lead pollution & Acid corrosion



# MEGA·LiFe<sup>®</sup> Battery

## Wide application range

Our batteries have the 1:1 when compared to the original battery on your vehicle. Therefore, you DO NOT need any modifications and relocations when you change to our Mega-LiFe battery.

We offer you a lighter weight (up to 30% of weight compare to lead-acid batteries) and longer life battery (up to years of lifetime, over 1500 full recharging cycles). Better performance so you can improve your car presentation and allow you to save fuel!



BMW M4 GT3



Ferrari F12



Pagani Zonda



Nissan GT-R R35



Porsche 997 Carrera 4



Toyota 86 (ZN8)



Lancer Evolution X



Audi A7



Porsche 911 GT3



Yacht / Boat



Dinghy



Jet ski





# Test and aim for the **best result.**

Buddy Club Race Team has been working with Japanese engineers that specialized in field of Lithium Battery.

Team Buddy Club has devoted to building the most stable, long-life and excellent performance automotive batteries that conquer extreme quality requirements from race track.



We provide battery customization service specifically to your needs.





# Mega-LiFe battery spec list

※Image shown hereon is for illustration purposes only. Actual product may vary.  
For actual model, please check on [www.megalife-battery.com](http://www.megalife-battery.com).

	Part No.	Voltage	Size(mm)	Main Ah	Main CCA	Spare Ah	Spare CCA	Total CCA	Weight	Emergency Start	Charger
Vehicle	MV-19L	12.8v	197x130x200x220	25Ah	550	5Ah	200	750	4.0kg	L	Yes 6A
	MV-19R	12.8v	197x130x200x220	25Ah	550	5Ah	200	750	4.0kg	R	Yes 6A
	MV-24L	12.8v	238x134x200x220	28Ah	700	6Ah	200	900	5.0kg	L	Yes 10A
	MV-24R	12.8v	238x134x200x220	28Ah	700	6Ah	200	900	5.0kg	R	Yes 10A
	MV-23L	12.8v	231x174x200x220	40Ah	1100	6Ah	300	1400	7.2kg	L	Yes 10A
	MV-23R	12.8v	231x174x200x220	40Ah	1100	6Ah	300	1400	7.2kg	R	Yes 10A
	MV-26L	12.8v	261x174x200x220	40Ah	1200	8Ah	300	1500	7.6kg	L	Yes 10A
	MV-26R	12.8v	261x174x200x220	40Ah	1200	8Ah	300	1500	7.6kg	R	Yes 10A
	MV-31L	12.8v	306x174x200x220	50Ah	1300	10Ah	350	1650	8.0kg	L	Yes 10A
	MV-31R	12.8v	306x174x200x220	50Ah	1300	10Ah	350	1650	8.0kg	R	Yes 10A
	MV-550	12.8v	231x174x170x190	40Ah	1100	6Ah	300	1400	7.0kg	R	Yes 10A
	MV-400	12.8v	244x175x190x190	40Ah	1100	6Ah	300	1400	7.2kg	L	Yes 10A
	MV-66	12.8v	280x175x175x175	40Ah	1100	6Ah	300	1400	7.2kg	L	Yes 10A
	MV-072	12.8v	280x175x190x190	40Ah	1200	8Ah	300	1500	7.6kg	L	Yes 10A
	MV-082	12.8v	316x175x190x190	40Ah	1300	8Ah	300	1600	8.0kg	L	Yes 10A
	MV-100	12.8v	356x176x190x190	60Ah	1400	10Ah	350	1750	9.8kg	L	Yes 10A
	MV-110	12.8v	393x176x190x190	60Ah	1400	10Ah	350	1750	10.0kg	L	Yes 10A
Parts	MLBC14-10A	MegaLiFe Battery Charger									
	MLBC14-6A	MegaLiFe Battery Charger									
	MLBC14-2A	MegaLiFe Battery Charger									
	MLBT001	MegaLiFe Battery test meter									



**[www.megalife-battery.com](http://www.megalife-battery.com)**



## Mega-LiFe Japan / Buddy Club Japan

Address:  
1-24-7, Minami, Meguro-ku, Tokyo, JAPAN  
TEL: +81-3-6421-3766  
FAX: +81-3-6730-9515

[www.megalife.jp](http://www.megalife.jp)   [www.buddyclub.co.jp](http://www.buddyclub.co.jp)

## Mega-LiFe USA

Address:  
1730 East Francis St, Ontario, CA 91761  
TEL: +909-923-9188  
FAX: +909-923-9108

[www.buddyclub-usa.com](http://www.buddyclub-usa.com)

## Mega-LiFe Australia / New Zealand

Address:  
2/9 Kohl St, Upper Coomera, Queensland, Australia  
TEL: +617 5529 7851  
MAIL: [info@megalifebattery.com.au](mailto:info@megalifebattery.com.au)

[www.megalifebattery.com.au](http://www.megalifebattery.com.au)

## Mega-LiFe China (Fist Auto Co., Ltd)

Address:  
1/F, JinHui Mansion, QiYang Road, Wangjing, Chaoyang District, Beijing City, China  
TEL: +86-4008123997

[www.megalife-battery.cn](http://www.megalife-battery.cn)

## Buddy Club Thailand

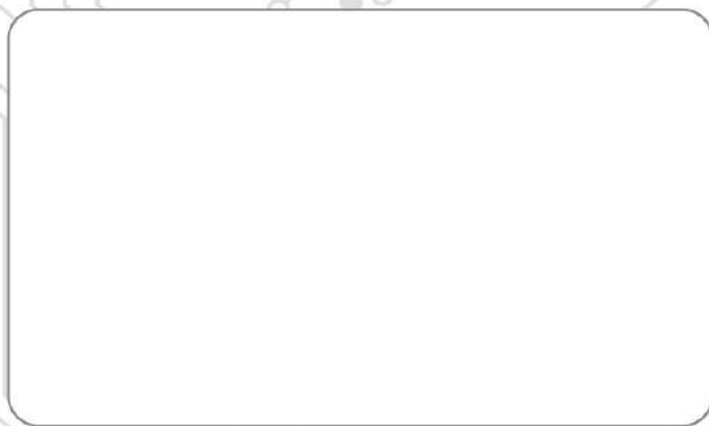
Address:  
6 Soi 77 Ramintra Road, Kanayao, Bangkok, Thailand, 10230  
TEL: +66-92-562-5989

## Taiwan / Garage91

Address:  
No.231-1, Jian 8th Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)  
TEL: +886-2-8221-3825



**MEGA·LiFe<sup>®</sup>**  
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[www.megalife-battery.com](http://www.megalife-battery.com)

Your new energy solution for a MEGA LiFe.

