



PRODUCTS CATALOGUE

LIFEPO4 AUTOMOTIVE BATTERY

WORLD-LEADING AUTOMOTIVE BATTERY SOLUTION

ABOUT US

TALENTEHUB connects China-UK cutting-edge technology markets by consultancy and partnership. Automotive technology is developing rapidly, we work with the leading automotive battery manufacturers to deliver outstanding-performance, sustainable and cost-effective products to the UK market.

BUSINESS PARTNER

Glotronics Technology Co. Ltd was founded in 2005, a leading high-tech enterprise and manufacturer of Lithium iron phosphate battery (LiFePO₄) in China. Glotronics Technology specialises in producing LiFePO₄ batteries for automotive and marine industries; its high-performance batteries, with start/stop functions, have been widely used by many well-known automotive manufacturers.

PRODUCTS

Lithium Iron Phosphate(LiFePO₄) Automotive / Marine Batteries

Lithium Iron Phosphate Batteries (LiFePO₄) are eco-friendly, small sized and light weighted. Compared with Lead-acid batteries, Gel Cell batteries or AGM batteries, LiFePO₄ Batteries can offer exceptional performance including long operating life, start/stop function, high energy density, integrative design feasibility and maximum safety performance. It has been widely used in automotive and marine industry.

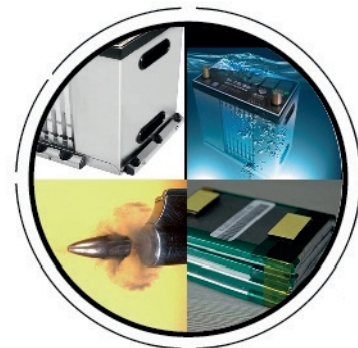
PRODUCT PERFORMANCE

1 HIGH TECH INTEGRATED (18 PATENTS)

- Start/Stop Function.
- High charge and discharge rate – 15-30C for high power start-up.
- Low self-discharge rate – 1% per month, only 5% of the lead-acid batteries' rate.
- High energy density – 110Wh/kg, 6-7 times of the energy density of lead-acid batteries.



2 SAFE AND RELIABLE



- Normal operation in water.
- Explosion proof up to 550 °C.
- Excellent performance in cell puncture short-circuit test.
- No fire and explosion when single module charged to 15 V.



3 LONG OPERATING LIFE

- More than 2000 cycles, 3-5 times longer than lead-acid batteries.
- Normal operation after 2 years' storage with zero maintenance.



4 VEHICLE-FRIENDLY

- Light weight and small size – only one-third the weight of lead-acid batteries, which can reduce the vehicle weight by 10-20 kg.
- Cost effective – competitive price compared with AGM / VRAL batteries.
- Once out of power, able to self-start after 10 minutes' idling.
- Fast ignition and strong driving force providing to the vehicle.
- Stable current output benefits to high voice quality of speakers.

5 ECO-FRIENDLY

- At least 5% less fuel consumption for vehicles.
- Heavy metal free.




BATTERY PERFORMANCE COMPARISON

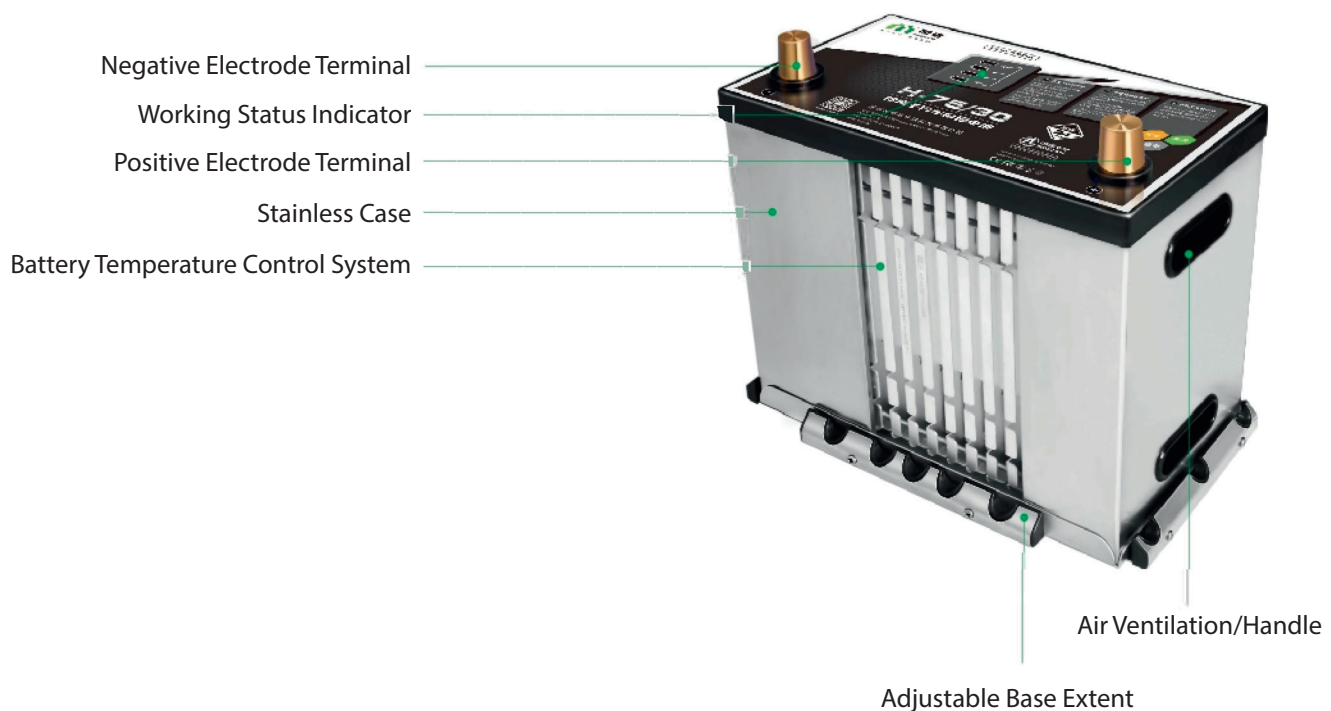
<i>Performance</i> / <i>Products</i>	Glotronics High-Performance LiFePO4 Battery	Typical AGM/ GEL Batteries	Typical LiFePO4 Battery
Shell Material	Metal	Plastic	Plastic
Flammability	Non-Flammable	Flammable	Flammable
Core Material	Lithium Iron Phosphate (LiFePO4)	Lead-acid	Lithium Iron Phosphate (LiFePO4)
Environmental Friendly	Yes	No	Yes
Warranty	4 Years	4-5 Years	1-2 Years
Quality Standard	International	International	N/A
Start/Stop Function	Yes	Yes	No



BATTERY TECHNICAL SPECIFICATION

Product Image					
Products Name	LIFEPO4 AUTOMOTIVE BATTERY-TYPE 1	LIFEPO4 AUTOMOTIVE BATTERY-TYPE 2	LIFEPO4 AUTOMOTIVE BATTERY-TYPE 3	LIFEPO4 AUTOMOTIVE BATTERY-TYPE 4	LIFEPO4 AUTOMOTIVE BATTERY-TYPE 5
Nominal Voltage	12.8 V	12.8 V	12.8 V	12.8 V	12.8 V
Nominal Capacity	20 Ah	30 Ah	40 Ah	50 Ah	60 Ah
EqPb (Equals Lead Acid Battery)	30 ~ 50Ah	50 - 70 A	70 ~ 90 Ah	90 ~ 110 Ah	110 ~ 130 Ah
Recommended Standard Charge Method	CCCA	CCCA	CCCA	CCCA	CCCA
Maximum Continuous Discharge	300 A (30 Seconds)	450 A (30 Seconds)	600 A (30 Seconds)	750 A (30 Seconds)	900 A (30 Seconds)
Cold Cracking Amps	300 A	450 A	600 A	750 A	900 A
Recommended Charge and Cut-off Voltage	14.6 V	14.6 V	14.6 V	14.6 V	14.6 V
Recommended Discharge and Cut-off Voltage	10 V	10 V	10 V	10 V	10 V
Operating Temperature	-20 °C ~ +60 °C	-20 °C ~ +60 °C	-20 °C ~ +60 °C	-20 °C ~ +60 °C	-20 °C ~ +60 °C
Storage Temperature	-20 °C ~ +35 °C	-20 °C ~ +35 °C	-20 °C ~ +35 °C	-20 °C ~ +35 °C	-20 °C ~ +35 °C
Dimension	196mm x 128mm x 200mm	230mm x 130mm x 195mm	230mm x 130mm x 195mm	380mm x 173mm x 212mm	380mm x 173mm x 212mm
Weight	4.6 kg	5.0 kg	6.3 kg	7.5 kg	10.0 kg

Parts Introduction



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ISO 9001/ISO14001 CERTIFIED

MADE IN CHINA



Innovation with Lithium Battery Industry Chain Core Technology



ALTERNATIVE TO LEAD-ACID BATTERY
SEAMLESS CONNECTION

