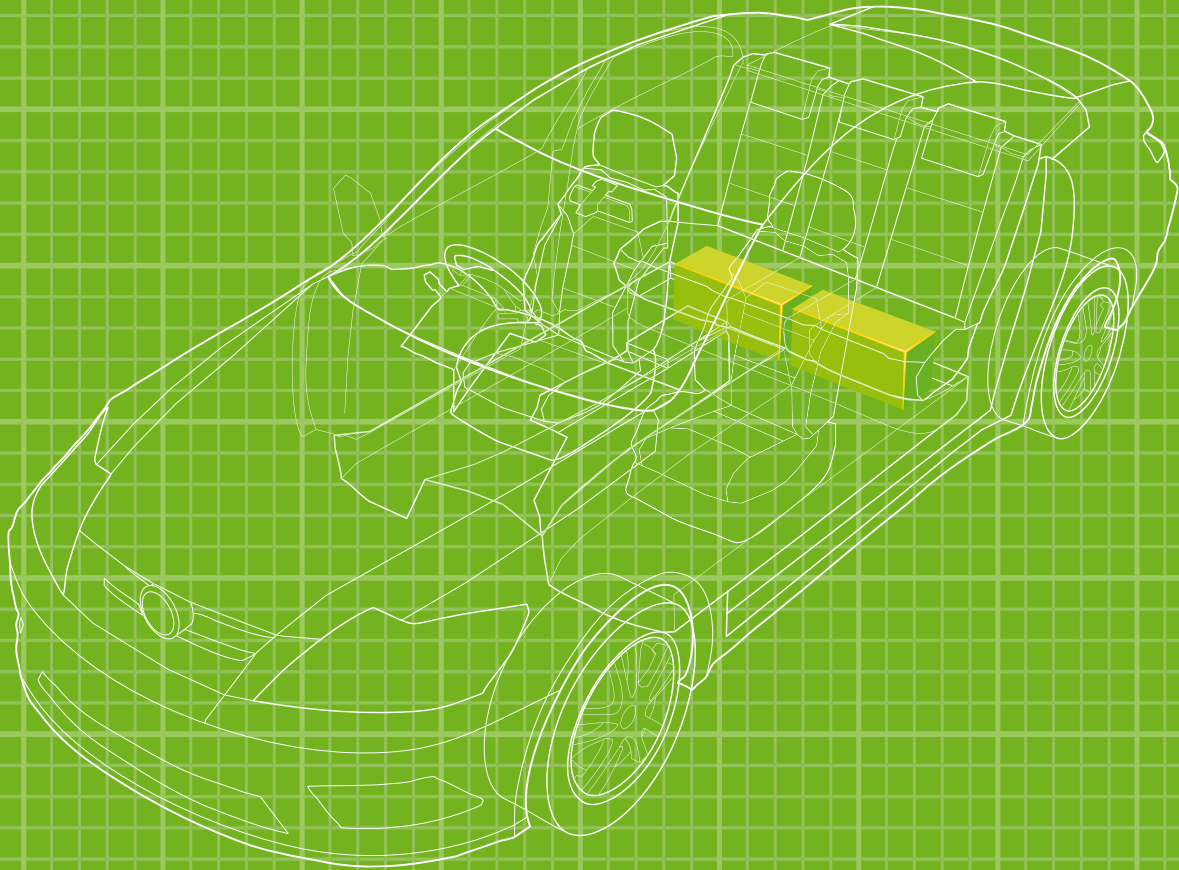




Setting new standards in LiFePO₄ technology

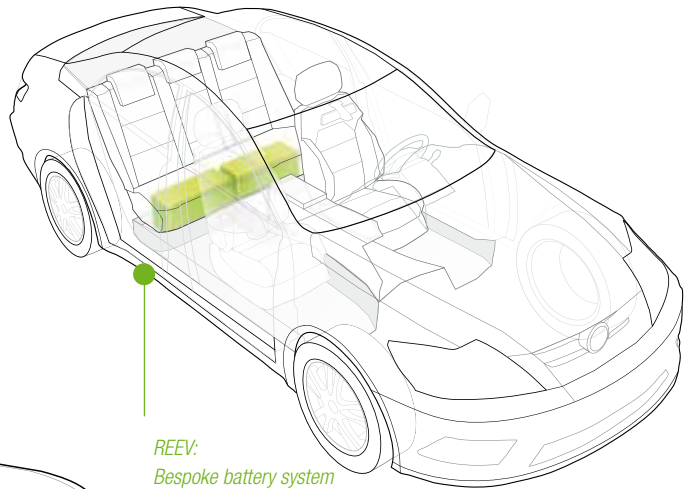




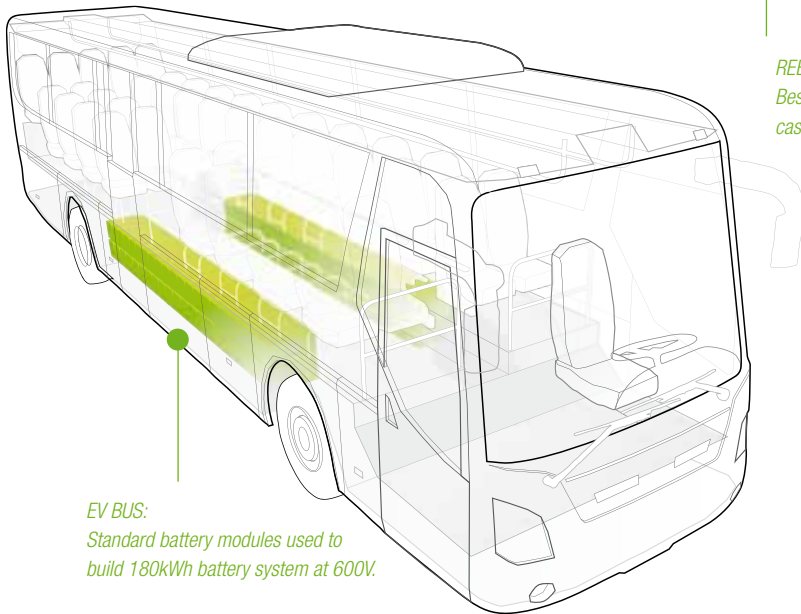
Setting new standards in LiFePO4 technology

LiFeBATT Ltd is the European sales, technical support and integration R & D centre for LiFeTech Energy Inc. of Taiwan. Our team is able to provide full technical support, on site, to our customers across Europe, from our R & D and distribution centre in the UK. LiFeBATT battery systems for Hybrid and Electric Vehicles come in both Energy & Power Type LiFePO4 cells, this combined with our proven cell management, CANbus communication and modular battery system architecture, ensures that our product meets the ever demanding safety and performance criteria of Europe's OEMs.

Our Lithium Iron Phosphate battery systems provide a flexible solution for EV and Hybrid applications. A full manufacturer's warranty of up to 5 years is unique in the market.



*REEV:
Bespoke battery system
cassette to suit vehicle chassis.*



*EV BUS:
Standard battery modules used to
build 180kWh battery system at 600V.*

Both our UK and Taiwanese facilities have successfully achieved ISO9001 certification.

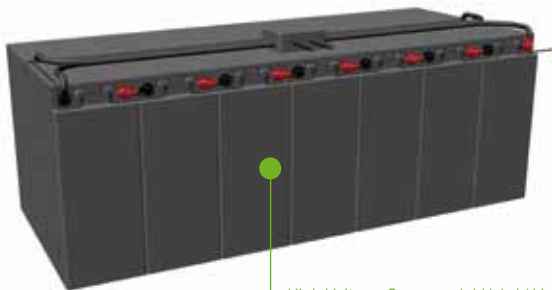


Advanced Battery Management System

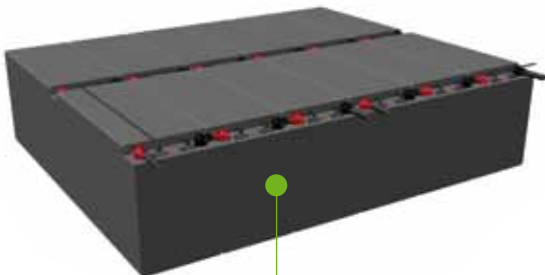
Cell management is vital to the operation of any battery system. The new LiFeBATT Cell Management Module (CMM) has been developed specifically for the automotive industry; high levels of EMC/RFI immunity are standard together with 1KV isolation. Communication between modules is via CANbus, monitoring individual cell voltages and temperature, employing passive balancing up to 900mA, per cell, for complete control. Over 1 million miles of vehicle testing has been used to develop advanced cell balancing strategies for Hybrid and REEV applications.

Class Leading Vehicle Integration

LiFeBATT CANbus Battery Integration System (CANBIS) offers the vehicle integrator or OEM a class leading interface using standard CAN2.0B or J1939 protocols. The system controls all necessary contactors including pre-charge and a wide variety of inbuilt safety features, updated every 20 milliseconds over the CANbus network. The intelligent device provides State Of Charge, State of Health, Live Voltage and Current Measurement, Regen Braking Parameters, Battery Temperature, and a vast array of diagnostic features. Our PC based configuration tool, for rapid development of vehicle prototypes, saves hundreds of man hours and allows the user complete customisation of the system.



*High Voltage Commercial Hybrid Vehicle
Battery System 200kW Power Boost*



E.V Battery System 288V 24kWh



Sales

Operating from our base in the UK, the LiFeBATT technical sales team travels extensively throughout Europe. Customer service is at the forefront of our operations and we feel that the personal touch can make a difference to the success of a project.

Switchboard: +44 (0) 1702 527883

Email: info@lifebatt.co.uk

Technical Support

Our team works to ISO9001 quality management standards ensuring that we offer industry leading technical support as well as comprehensive on-site service to all our customers. Our highly qualified engineers have extensive experience in the Hybrid and Electric Vehicle industry.

LiFeBATT Modules and Systems

The XPS Lithium Iron Phosphate (LiFePO₄) modules from LiFeBATT benefit from the latest LiFePO₄ cell technology and CANbus Battery Management System ensuring safety, cycle and calendar life, reliability and cost control. The XPS modules allow for several batteries to be used in parallel and series for to create any voltage & capacity battery system. The XPS modules allow rapid prototypes to be developed and deployed in less than 4 weeks. In series production we supply complete 'Plug n Play' battery systems.

Power Type Battery Modules

Part Number	Nominal Voltage, V	Nominal Capacity, Ah	Nominal Power, Wh	Weight, kg	Dimensions LxWxH	Max. Constant Current, A	20 Sec Peak Current, A	Peak Regen Rate (60 Sec)	Internal Resistance mohms @ cell level
XPS1P - 048016	52.8	16	845	15.6	329 x 157 x 230	100	160	80	< 16.00
XPS1P - 072008	79.2	8	634	12.0	257 x 157 x 230	80	80	40	< 46.00
XPS1P - 108008	118.8	8	950	17.7	389 x 157 x 230	80	80	40	< 69.00
XPS1P - 144008	158.4	8	1,267	23.2	479 x 157 x 230	80	80	40	< 92.00

Energy Type Battery Modules

Part Number	Nominal Voltage, V	Nominal Capacity, Ah	Nominal Power, Wh	Weight, kg	Dimensions LxWxH	Max. Constant Current, A	20 Sec Peak Current, A	Peak Regen Rate (60 Sec)	Internal Resistance mohms @ cell level
XPS2E - 048030	52.8	30	1,584	20.3	329 x 190 x 230	90	150	90	< 24.00
XPS2E - 072015	79.2	15	1,188	15.6	257 x 190 x 230	45	90	45	< 72.00
XPS2E - 108015	118.8	15	1,782	23.0	389 x 190 x 230	45	90	45	< 108.00
XPS2E - 144015	158.4	15	2,376	29.2	479 x 190 x 230	45	90	45	< 144.00

LiFeBATT Battery Systems

Part Number	Nominal Voltage, V	Nominal Capacity, Ah	Nominal Power, Wh	Weight, kg	Dimensions LxWxH	Max. Constant Current, A	20 Sec Peak Current, A	Peak Regen Rate (60 Sec)	Internal Resistance mohms @ cell level
XPS2E - 288075	288	75	21,600	290.0	479 x 950 x 460	225	750	225	< 58.00
XPS2E - 324060	324	60	19,440	207.0	460 x 1140 x 389	180	600	180	< 81.00



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