



IoT LEV Battery

(LEV, Golf Cart, ATV, UTV)



Automotive Battery Cell

Adopting the automotive-grade LiFePO4 battery cell to meet the rigorous demands of electric vehicle applications, including higher charge/discharge rates, temperature fluctuations, and the need for long-term reliability and performance.



Multi-level Protection

Built-in Battery Management System (BMS) for real-time monitoring and protection and produced with prioritized materials with high inherent safety, implements multi-level protection (overcharge, over-discharge, etc.), and manages voltage, current, and temperature meticulously.



Battery as a Service

The swappable feature offers a faster alternative to charging, potentially reducing range anxiety and extending vehicle uptime, particularly in applications like commercial ride and logistics. A Robust enclosure with strong, durable materials protects the battery from physical damage during swapping.



Compatibility

You may have a desired range, power output under limited size and weight constraints for your LEV, and a unique communication protocol, output connector, and smart features like remote monitoring and control are also necessary for a successful commercial operation.

Voltage	73.6V	60.8V	64V	76.8V
Ah Application	52Ah EWT-21	102Ah EWT-31 or EV Conversion Kit	156Ah	67Ah

LEV-7252BM
73.6V/52Ah



LEV-6010BM
60.8V/102Ah



LEV-7267BS
76.8V/67Ah



LEV-6015BS
64V/156Ah



Battery Display



GENERAL SPECIFICATIONS		LEV-7252BM	LEV-6010BM	LEV-6015BS	LEV-7267BS
Nominal Energy		3.82 kWh	6.2 kWh	9.98 kWh	5.14 kWh
Electrical Performance	Nominal Voltage	73.6 V	60.8 V	64 V	76.8 V
	Nominal Capacity	52Ah	102 Ah	156Ah	67Ah
	Operating Voltage Range	64.4V - 83.95 V	53.2V - 69.35 V	56 V - 73 V	67.2 V - 87.6 V
	Cycling Performance	>6000 Cycle @ 0.2C, 25°C, 70% EOL			
Operating Parameters	Maximum Charging Current(A)	40A	50A	120A	40A
	Maximum Discharging Current(A)	100A	100A	120A	120A
	Charging Cut-off Voltage(V)	83.95	69.35	73	87.6
	Discharge Cut-off Voltage(V)	64.4	53.2	56	67.2
	Recommended Charging Current(A)	26A	20A	30A	20A
	Recommended Discharging Current(A)	50A	50A	60A	50A
	Humidity	0-95%			
	Altitude	≤2000m			
	Charging Temperature	0°C-65°C			
	Discharging Temperature	-20°C-65°C			
	Storage Temperature	-20°C-45°C, SOC:20%-50%			
Physical Parameters	Cell Type	LiFePO4 Prismatic Cell			
	Cell Capacity	3.82 kWh	6.2 kWh	9.98 kWh	5.14 kWh
	Product Dimension(W*H*D, mm)	260*200*340mm	400*260*290mm	610*360*220mm	490*260*240mm
	Net Weight (Kg)	28kg	47.6kg	68kg	38.5kg
	Housing	Sheet Metal		Stainless Steel	
	Ingress Protection	IP53			
Communication	Connector	Customized	Customized	Anderson	Anderson
	Communication			4G, GPS	
	Communication Protocol			RS485	
	Display	/	/	BMS Display	BMS Display
Warranty	Warranty	3 Years	3 Years	3 Years	3 Years
	Design Performance Life	10 Years	10 Years	10 Years	10 Years
Application	Battery Display(High-precision)	/	Customizable with Different Cable Length		
	LEV Model	EWT-21	EWT-31 or EV Conversion Kit		
	Battery Swapping Type	BSC-06	BSC-06	LEV Battery Charger	

* Product specifications are subject to change without further notice.