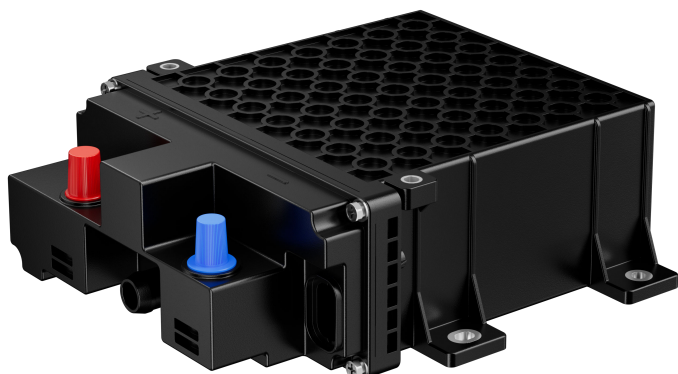


Lithium Battery- Automotive

LFP1220PV



Battery Parameter

Nominal Voltage	12.8V
Operating Voltage	10~14.6V
Nominal Capacity	20Ah
Energy	256Wh
Cell Type	LFP Prismatic Cell
Continuous Charge/Discharge Current	100A/220A
Maximum pulse current(A)	410A/10S
Operating Temperature Range	-30~65°C
Storage Temperature Range	-30~65°C
Self Discharge	≤3% Per Month
Cycle Life(@25°C,1C/1C)	≥5000 cycles
Communication Method	CAN/CANFD

Product Information

Dimension (L*W*H)	215*200*75mm
Approx Weight	3.0±0.2kg
Terminal Type	T1
Case Material	Plastic (PA6+GF30)
IP Rating	IP67
SIL Level	ASIL-B
Discharge Heating	No Heating
Vibrating Rating	GB 38031-2025

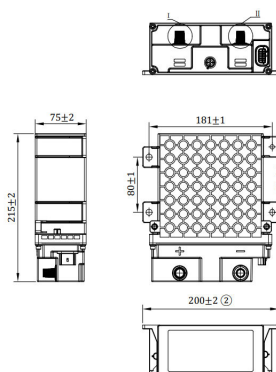
Features Of LiFePO₄ Battery

- Long cycle life
- High integration, small size, high energy density
- Intelligent management of product usage status, high security
- Environmental Protection
- Fast charging

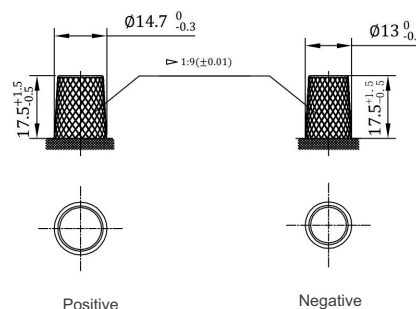
Application scenarios

- Automotive start
- Low-Voltage Auxiliary Battery

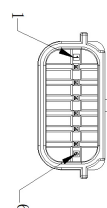
Physical Dimension-mm



Terminal Size-mm



Interface Definition



6PIN communication socket		
key binding	definition	contact pin
1	Reserve	Nickel-plated brass
2	Reserve	Nickel-plated brass
3	Reserve	Nickel-plated brass
4	Wake up	Nickel-plated brass
5	CAN-L	Nickel-plated brass
6	CAN-H	Nickel-plated brass