

High Energy Density

Our solution uses LiFePO4 high density A Grade cells which stores lots of energy in a lightweight, compact form—ideal for space limited applications like eSurveillance Panel.

LiFePO4 Storage Batteries

12V 12Ah & 24Ah Storage Batteries



Scalability

These batteries easily scale to meet diverse power needs, from compact to large panels.

Long Lifespan

With more charge cycles than lead-acid batteries, LiFePO4 batteries last longer, reducing maintenance cost of systems.

Environmental Friendliness

LiFePO4 batteries lack toxic metals like lead, and new recycling methods make it easier to reuse valuable materials, making them more eco-friendly than lead-acid options.

Efficient Energy Storage

LiFePO4 batteries have high charge/discharge efficiency, minimizing energy loss—perfect for maximizing power storage.

Faster Charging

These batteries recharge quickly, making them effective in setups with intermittent power outages.

Low Maintenance

LiFePO4 batteries are virtually maintenance-free and don't need the watering or equalizing charges required by lead-acid batteries.



Technical Parameters

MAIN PARAMETERS	12V · 12Ah	12V · 24Ah
Rated Capacity	12Ah	24Ah
Nominal Voltage	12.8V	12.8V
Float Voltage	13.6V	13.6V
Max Charge Voltage	14.6V	14.6V
Discharge Cut Off Voltage	10.6V	10.6V
Charging Current	Up to 5A	Up to 8A
Max. Continuous Discharging Current	12A	20A
Life Cycle	≥1000 cycles	≥1000 cycles
Discharge Rate	≤3%	≤3%

MECHANICAL SPECS	12V · 12Ah	12V · 24Ah
Dimensions (T × W × H)	155 × 78 × 75mm	290 × 78 × 75mm
Weight (Approx.)	1.6 Kg	3.2 Kg
Encapsulation	Customized is available	Customized is available
Operating Temperature	Charging: 0~45°C Discharging: -20 ~60°C	Charging: 0~45°C Discharging: -20 ~60°C
Storage Temperature	-20 ~ 60°C	-20 ~ 60°C
Humidity	5% to 95% relative humidity	5% to 95% relative humidity
Main protection function	Overcharge, over discharge, over current, short circuit, etc.	Overcharge, over discharge, over current, short circuit, etc.
Delivery period	7-20 days, depending on stock and quantity.	7-20 days, depending on stock and quantity.
Warranty	3 years	3 years

Applications

Energy Storage: UPS, backup solutions, power station, eSurveillance Panel

Intelligent Robots

ARD system in Lift

Solar System, Wind Energy Storage, Solar/Storage Home System, Solar Street Light