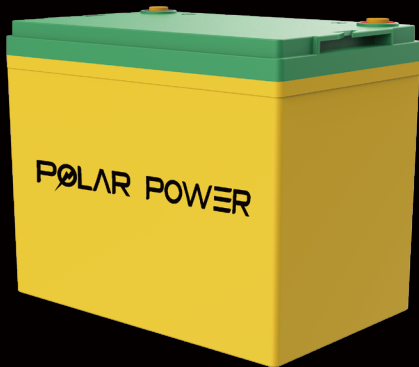


## **Polar Power Series**

# LFP Battery 12V 104Ah



**Replace**

Lead-acid battery,  
Experience

**unbeatable** price.

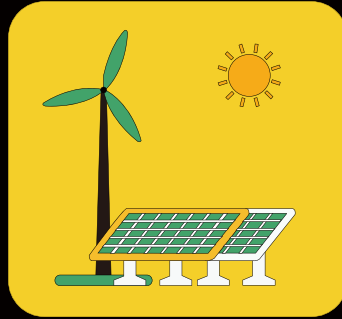
A rechargeable Lithium Iron Phosphate Battery with a capacity of 104Ah and a voltage of 12V is versatile for various applications traditionally relying on Lead Acid, GEL, or AGM batteries such as caravans, marine vessels, golf carts, solar storage, remote monitoring, and switching systems. Its advanced battery cells guarantee a prolonged cycle life and outstanding discharge capabilities.

MEET THE POLAR POWER

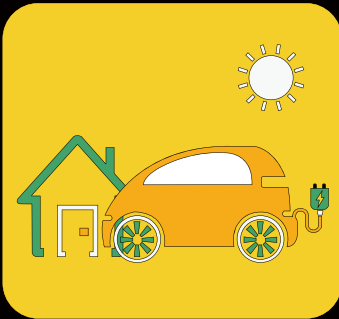
### **12V BATTERY.**

- Over-charging / discharging protection
- Over-current protection
- Over and under temperature protection
- Short-circuit protection
- Constant power during discharge (very low internal resistance)
- Very low self-discharge (<3 % per month)

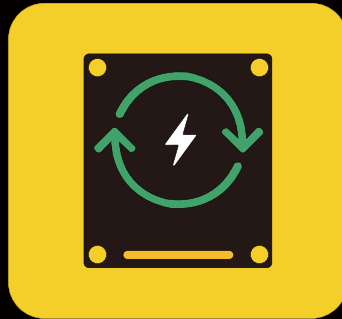
This battery can be used in **any application** that would normally use Lead Acid, GEL or AGM type batteries.



Off-grid solar and wind energy storage



Electrical vehicles:  
Caravan, Golf carts, Marine



Robotics and AGVs



Medical equipment



Telecom



CCTV and security camera

## DURABLE

The advanced battery cells provide over 4000 cycles, 100A continuous discharge. In contrast, traditional lead acid batteries usually last 400–500 cycles.

## OPTIMAL SAFETY

Our LFP battery incorporates an ultra-safe chemistry, eliminating the risks of thermal runaway, fire, or explosions.

## COMPACT POWER

Approximately 50% lighter and 40% smaller compared to an equivalent Lead-acid battery, while delivering the same usable energy.

## AFFORDABLE

Coming to you at 50-60% of the cost of the industry heavies.

| Model                         | ALPS BA-12-104                       |
|-------------------------------|--------------------------------------|
| Rated Capacity                | 104Ah                                |
| Nominal Voltage (Vdc)         | 12.8                                 |
| Voltage Range (Vdc)           | 11.2-14.4V                           |
| Nominal Capacity (Wh)         | 1331                                 |
| Charge /Discharge Current (A) | 100                                  |
| Working Temperature           | 0~50 C (Charge) -10~50 C (Discharge) |
| Storage Temperature           | 0~50 C                               |
| Protection Class              | IP20                                 |
| Humidity                      | 5% ~ 95%(RH) Non-Condensation        |
| Altitude                      | <4000m                               |
| Cycle Life                    | 4000 Cycles (@0.5C)                  |
| Standard                      | CE/UN383                             |
| Dimensions (L x W x H)        | 260*168*214.7mm                      |
| Warranty                      | 1 year                               |