



# LiFePO4 Battery SF12270M (12.8V270Ah)

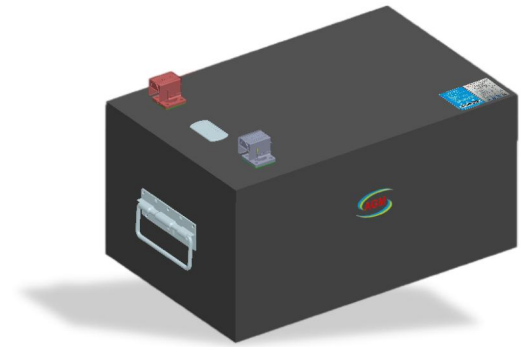
## Features

**Longer Cycle Life:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.

**Lighter Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

**Higher Power:** Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

**Superior Safety:** Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.



## Applications

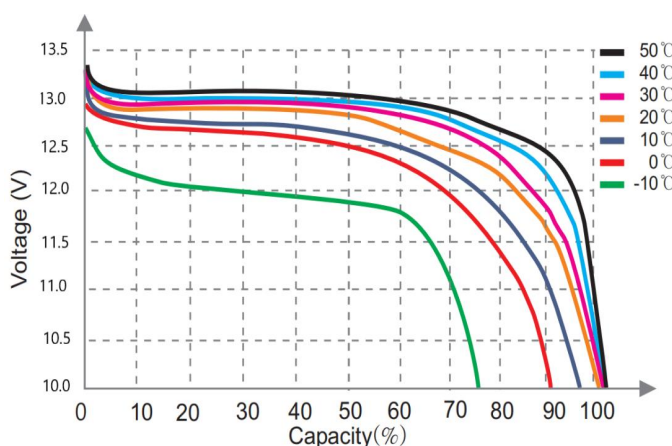
Replace lead-acid batteries (Home energy storage, RV energy storage etc.)

Length\*Width\*Height: 450\*330\*250mm  
(Excluded terminals & handles)

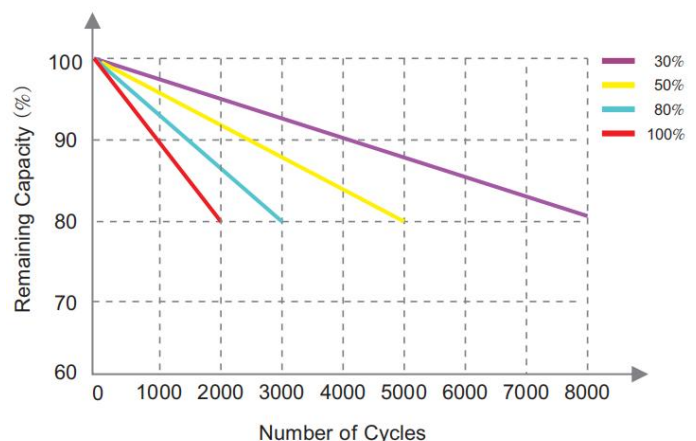
## Specification

|                     |  |                       |                               |
|---------------------|--|-----------------------|-------------------------------|
| Nominal voltage     | 12.8V  | Nominal capacity      | 270Ah                         |
| Energy              | 3.456KWh   | Cycle life            | 3000 cycles @25°C,0.2C,80%DOD |
| Charge voltage      | ≤14.6V   | Discharge voltage     | ≥10V                          |
| Charge current      | 100A   | Discharge current     | ≤200A,300A (<5s)              |
| Charge temperature  | 0~45°C   | Discharge temperature | -20~65°C                      |
| Storage temperature | 0~45°C   | Self-discharge rate   | ≤3%/month                     |
| Shell material      | Q235   | IP class              | IP55                          |
| N.W:                | ~30Kg  | Material system       | Lithium Iron Phosphate (LFP)  |
| Terminals           | M8   | Other configuration   | LCD (Current、Voltage)         |
| Protective function | Over-current protection,Over-voltage protection,Low-voltage protection,Over-temperature protection,Low-temperature protection,Short-circuit protection etc |                       |                               |

### Discharge voltage curve at Different temperature



### Cycle life at different DOD



Zhuhai Angel Energy Technology Co., Ltd

W: [www.agmenergy.net](http://www.agmenergy.net)

T/F: +86-0756-5239892

Contact: James Wong E: [agm01@agmenergy.net](mailto:agm01@agmenergy.net)

Whatsapp/M: +86-13527267085 Wechat: Cindy-AGM

Add: Bldg2, No.26, 2nd Xinke Road, Baijiao Technology Industrial Park, Doumen District, Zhuhai, GD, China.