



LiFePO4 Battery SF12250M (12.8V250Ah)

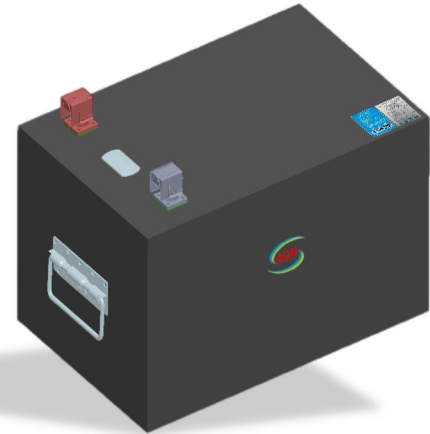
Features

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

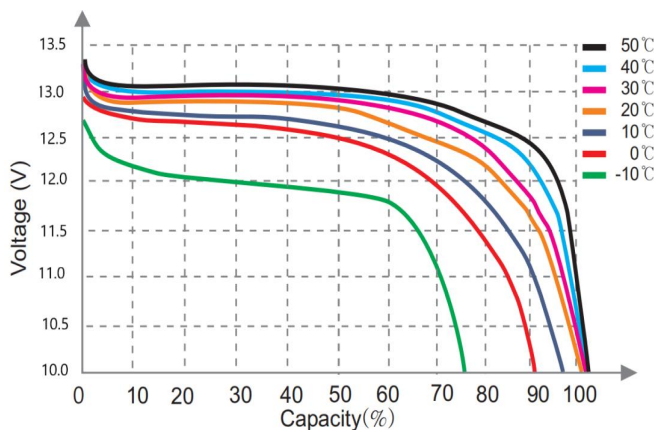
Replace lead-acid batteries (Home energy storage, RV energy storage etc.)

Length*Width*Height: 400*152*360mm
(Excluded terminals & handles)

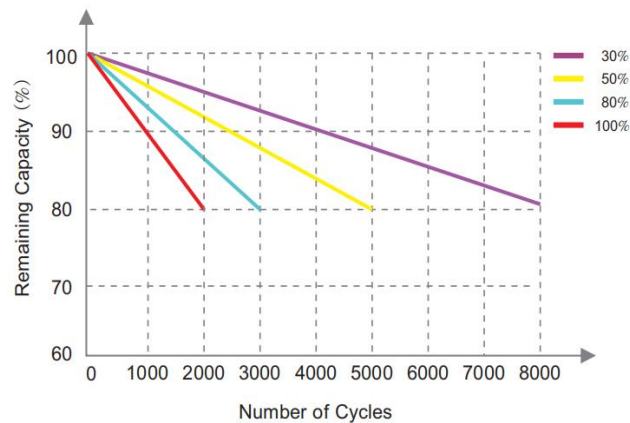
Specification

| | | | |
|---------------------|--|-----------------------|-------------------------------|
| Nominal voltage | 12.8V | Nominal capacity | 250Ah |
| Energy | 3.2KWh | 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: | ~25Kg | 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



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