



浙江谷神能源科技股份有限公司

Zhejiang Godsend Power Technology Co., Ltd.

www.godsendbattery.com

Product Introduction

Godsend's 3.2V 22Ah LiFePO4 battery is recognized by its performance and quality. It offers longer lifetimes, better power density, and are inherently safer. As a good potential replacement for lead-acid batteries, it can be widely used in marine, vehicle (truck/tricycle/bike) and storage applications.

Specifications

| Item | Specification |
|-----------------------------------|---|
| Model | GSF46160M-22 |
| Rated capacity | 22Ah |
| Rated voltage | 3.2V |
| Standard charge current | 0.5C (11A) |
| Max. continuous discharge current | 5C (110A) |
| Max. instant discharge current | 10C (220A) |
| Impedance | $\leq 1.5\text{m}\Omega$ |
| Weight | 570 \pm 10g |
| Dimensions | Height: 178 \pm 1mm Diameter: 46 \pm 0.5mm |
| Operating temperature | Charge: 0~45 $^{\circ}$ C Discharge: -20~60 $^{\circ}$ C |
| Storage temperature | -10~35 $^{\circ}$ C |

Characteristic

- Battery safety according to its thermal and chemical stability
- More than 4X longer life cycle than lead acid battery
- 50% to 70% lighter than a traditional lead acid battery
- Steady output voltage
- High levels of abuse tolerance
- Still can be charged under -20 $^{\circ}$ C with our BMS

Detail Structure

GSF46160M-22 battery shell is aluminum and cylindrical. Integrated plates are applied for both of the terminals, while the positive terminal is aluminum and negative terminal is copper nickel composite. Both positive and negative terminals are covered with barley paper and the shell covered with plastic heat-shrink casing for

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insulation protection. GSF46160M-22 battery have explosion-proof membrane on positive terminal for protecting from battery accident of explosion. M6 internal thread is set in both positive and negative terminals. Battery cells can be packed together by mechanical connection with bolts and connection straps.

| GSF46160M-22 | |
|--------------------------|---|
| Overall condition |  |
| Positive terminal |  |
| Negative terminal |  |

Product applications

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Hybrid Vehicle(384V,40Ah)



Solar Storage(220V,4KW)



Wind Storage(220V, 10KW)



Electric Bus(461V, 132Ah)



Electric SUV(124Ah,340V)



Electric Motorcycle(72V,50AH)