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Introduction

■ SHOTO GFM series VRLA battery is the latest product developed by SHOTO through latest modern technologies. The product conforms to IEC60896-21/22 standard. Its performance parameters have reached domestic leading level and it enjoys good reputation in China. This product can be broadly utilized as backup power supply for communication and signal systems such as telecommunication, railway and vessels etc., as the energy storage system of solar and wind power generation, and as the backup power supply of UPS and emergency illumination.

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Main Application

- Back-up power for communication and signal system
- Back-up power for Electric power system&nuclear power station
- Solar and wind power generation energy storage system
- Back-up power for military&navigation
- Back-up power for UPS&emergency lighting

Benefits

- 15 years designed life
- Adopt the TLS patent technology with reliable sealing
- Unique design for monomer structure, complete range of models with wide choice
- Mature product technology and stable operation

Technical Features

- The plate is with the structure of big grid and block, and is made of special alloy through special process of quadric basic lead sulfate, which improves specific energy of the battery and prolongs the cycle service life
- Positive grid is made of special multi alloy, which overcomes the shortcomings of early capacity loss. It has long service life under both float charge and cycle utilization.
- Add special additives to the positive and negative plate, improve the utilization of active material and charging acceptability
- High-purity electrolyte and special additives
- Unique assembled maze seal structure of terminal (patented technology) ensures the safety and reliability of seal.

Specification











	GFM-1000	GFM-1500	GFM-2000	GFM-3000
Nominal Voltage(V)	2	2	2	2
Length(mm)	370	318	385	568
Width(mm)	181	363	363	363
Height of Monobloc (mm)	346	369	369	369
Total Height(mm)	365	388	388	388
10hr Capacity(Ah,25°C)	1000	1500	2000	3000
Terminal	M8	M8	M8	M8
Terminal Torque(Nm)	10 ~ 15	10 ~ 15	10 ~ 15	10 ~ 15
Internal Resistance (mΩ)	0.36	0.20	0.18	0.17
Short Circuit Current(A)	6200	9920	12400	18600
Weight(Kg)	58.5	100	123	183