

# 5GVRLA

## 5GVRLA2.3 12V 2.3Ah

5GVRLA series battery uses AGM technology and high-purity raw materials. Its good floating back up and large current discharge performance makes it optimal and economical choice for UPS/EPS.

### Benefits

- Standard Commercial according to EUROBAT Classification
- Maximum charge efficiency
- High gas recombination efficiency
- Low self-discharge rate
- Easy installation and handling

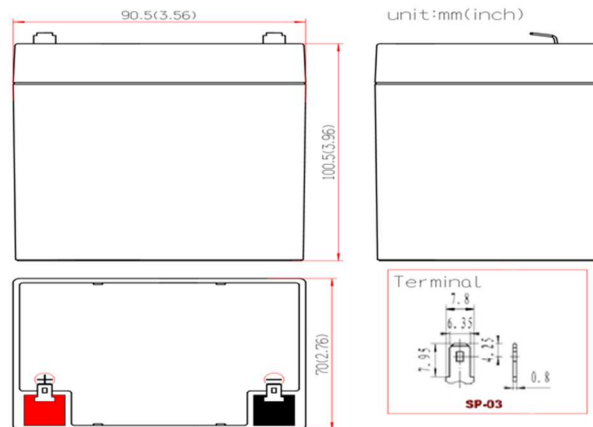
### Applications

- UPS units
- Emergency power
- Starting generators
- EPS units

### Standards

- IEC 60896:21/22: 2004
- JIS C8702-1/2: 2009
- EUROBAT guide
- Installation compliant with EN50272-2

### Drawing



### Specifications

Nominal Voltage	12V	Capacity	C <sub>20</sub>	2.3Ah (10.5V, at 25°C)
Nominal Capacity (C <sub>20</sub> )	2.3Ah (10.5V, at 25°C)		C <sub>10</sub>	2.07Ah (10.5V, at 25°C)
Dimension	Length 178mm		C <sub>3</sub>	1.725Ah (10.5V, at 25°C)
	Width 35mm		C <sub>1</sub>	1.38Ah(10.2V, at 25°C)
	Height 60mm	Internal Resistance	Approx. 60 mΩ (25°C)	
	Total Height 67mm	Max Short-duration Discharge Current	69A(25°C)	
Weight	Approx. 0.93kg	Terminal	FO-01/FO-20	

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## Charge

Using Mode	Charging Voltage	Temperature Compensation	Max Charging Current
Standby Use	2.275±0.025V/cell (25°C)	-3.3mV/°C/cell	0.69A
Cyclic Use	2.45±0.05V/cell (25°C)	-5mV/°C/cell	

## Storage

- Batteries should be stored in dry and clean warehouse which has good air exchange system. Batteries should avoid direct sunlight. Batteries should not be near to heat (such as radiator, the distance should more than 1m). Batteries should avoid any toxic gas and organic solvent.
- When the ambient temperature is less than 25°C, the longest storage life is 6 months. If ambient temperature is higher, the longest storage life varies as specified in below chart.
- Batteries should be recharged within the storage life or before using.  
Charging methods: maximum charging current 0.69A, constant voltage 2.45±0.05V/cell (25°C);  
Charging time: 15~20h; Temperature compensation coefficient: -5mV/°C/cell.

Storage Temperature (°C)	≤25	26~33	34~40
Storage Time (Month)	6	3	1

## Performance Curve

