

RAW POWER VRLA AGM Battery

6V 12AH [6RP12VA]



General Features

- Designed floating charging service life: 8 years (25°C)
- Sealed and maintenance free operation
- Safety valve installation for explosion proof
- Low self-discharge characteristic
- Wide operating temperature range from 0°C~40°C
- Lead Aluminum calcium Tin alloy high energy, prevent corrosion

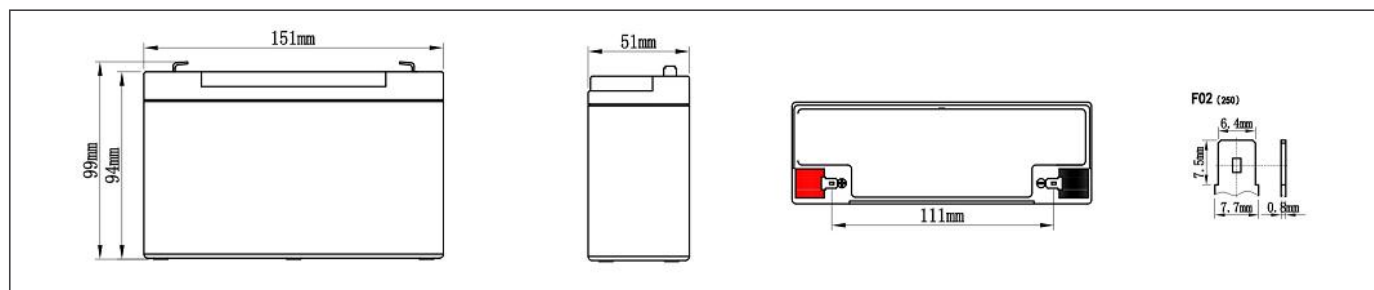
Application

- DC power supply
- UPS/EPS power supply
- Electrical devices & instruments
- Security and fire alarm systems
- Telecom stations and power stations
- Medical equipments
- Emergency lighting systems

Physical Specifications

Nominal Voltage	Nominal Capacity (20HR)	Dimension				Weight ±3%	Internal Resistance (In full charge status)	Standard Terminals
		L	W	H	TH			
6V	12AH	151±1mm	51±1mm	94±2mm	99±2mm	Approx 1.72kg (3.79lbs)	≈6.7mΩ	F02 (standard)

Dimensions



Constant-Voltage Charge

Rated Capacity	
20 hour rate (0.6A)	12.2AH
10 hour rate (1.2A)	11.82AH
5 hour rate (2.04A)	10.10AH
27 minute rate (12A)	6.00AH
7 minute rate (36A)	4.20AH
Capacity affected by Temperature	
40°C(104°F)	103%
25°C(77°F)	100%
0°C(32°F)	86%

Cycle Application

1. Limit initial current less than 3.6A.
2. Charge until battery voltage (under charge) reaches 7.05V to 7.20V at 25°C(77°F).
3. Hold at 7.05V to 7.20V until current drop to under 0.072A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -15mV/°C.

Standby Service

1. Hold battery across constant voltage source of 6.8 to 6.9 volts with current limit 3.6A continuously .When held at this voltage , the battery will seek its own current level and maintain itself in a fully charge status.
2. Temperature compensation coefficient of charging voltage is -9mV/°C.

NOTE : The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation

Battery Discharge Table

End Voltage (V)	Minute (M)					Hour (H)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
Constant Current Discharge Data Sheet (Amperes at 25°C)													
5.10	44.4	28.9	22.6	11.5	8.38	7.20	5.73	4.26	3.22	2.06	1.38	1.16	0.612
5.25	44.0	28.6	22.4	11.5	8.30	7.15	5.63	4.10	3.11	2.02	1.37	1.15	0.606
5.40	43.5	28.3	22.2	11.3	8.22	7.10	5.52	3.94	3.00	1.98	1.35	1.14	0.600
Constant Power Discharge Data Sheet (Watt at 25°C)													
5.10	242	175	141	79.70	58.10	44.21	33.91	25.51	18.21	12.00	8.45	6.84	3.68
5.25	232	169	137	78.05	56.80	43.51	33.41	25.15	17.80	11.87	8.39	6.74	3.63
5.40	220	163	133	75.80	55.35	42.79	32.92	24.79	17.49	11.73	8.30	6.63	3.58

Performance Characteristics

