

Sealed Lead-Acid(SLA)Battery

General Features

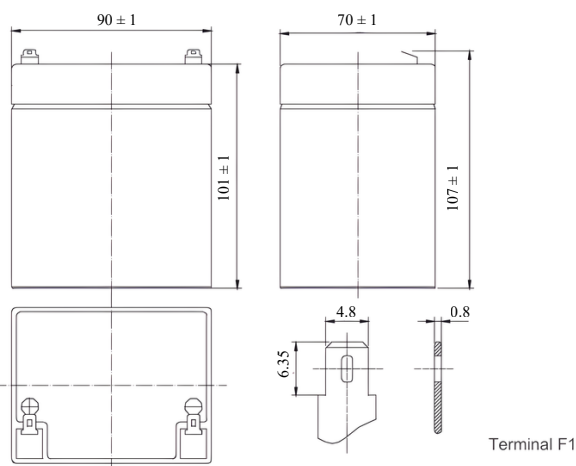
- Non-spillable construction design
- Long life span 5 years in floating condition
- High quality AGM separator: extend cycle life and prevents micro short circuit
- 99.9% pure lead plates ensure high quality and high reliability
- ABS material
- Valved Regulated Lead-Acid (VRLA) battery

Applications

- Fire & Security
- Alarm & Portable lights
- Power tools & Toys
- Emergency power systems
- CCTV
- Sprayer

Dimensions and Terminal

Length (mm/inch)	90/3.54
Width (mm/inch)	70/2.76
Height (mm/inch)	101/3.98
Total height (mm/inch)	107/4.21
Weight (kg/lbs)	1.8/3.97



Battery Construction

Positive plate:	Thick high Sn low Ca grid with special paste
Negative plate:	Balanced Pb-Ca grid improved recombination efficiency
Container and cover:	ABS-HB
Safety valve:	Flame Si-Rubber and aging resistance
Terminal:	F1
Separator:	Advanced AGM separator for high pressure cell design
Electrolyte:	Dilute high purity sulfuric acid
Pillar seal:	Two layers epoxy resin seal



Specifications

Nominal Voltage	12 V
Number of cell	6
Design Floating Life @25°C	3 - 5 years
Nominal Capacity @25°C	
20 hour rate (0.270A, 10.5V)	5.4 Ah
10 hour rate (0.511A, 10.5V)	5.1 Ah
5 hour rate (0.929A, 10.2V)	4.6 Ah
Internal Resistance	18mΩ
Self-Discharge @25°C per month	3%
Operating Temperature: Discharge	-15°C~45°C
Charge	0°C~40°C
Storage	-15°C~45°C
Maximum Discharge Current @25°C	80A (5s)
Charge (Constant Voltage) @25°C	
Cycle Use	14.4 - 14.8 V
Maximum charging current	1.62A
Temperature compensation	-30mV/°C
Standby Use	13.5 - 13.8 V
Temperature compensation	-20mV/°C

Discharge Constant Current (Amperes at 25°C)

F.V/Time	15 min	30 min	1h	3h	5h	10h	20h
1.60V	11.6	6.53	3.68	1.44	0.966	0.526	0.277
1.67V	11.2	6.36	3.60	1.41	0.950	0.520	0.274
1.70V	11.0	6.25	3.55	1.40	0.942	0.516	0.272
1.75V	10.6	6.09	3.48	1.38	0.929	0.511	0.270
1.80V	10.3	5.94	3.41	1.36	0.918	0.506	0.267

Discharge Constant Power (Watts at 25°C)

F.V/Time	15 min	30 min	1h	3h	5h	10h	20h
1.60V	21.6	12.4	7.04	2.80	1.89	1.04	0.555
1.67V	21.1	12.1	6.92	2.75	1.87	1.03	0.549
1.70V	20.6	11.9	6.83	2.73	1.85	1.02	0.544
1.75V	20.1	11.7	6.72	2.70	1.83	1.01	0.540
1.80V	19.5	11.4	6.62	2.66	1.81	1.00	0.534