

SLA1015

Technical Specifications

Nominal Voltage	12V
Nominal Capacity	2.3Ah (20 Hr Rate to 1.75V/cell)
Chemistry	Lead Acid -AGM

Physical Specifications

Length	178mm	7.01in
Width	34.5mm	1.36in
Height	60mm	2.36in
Height w/Terminal	66mm	2.60in
Weight (+/- 5%)	.87kg	1.91lbs
Terminal Type	F1	
Case Material	ABS	

Charging Specifications

Charge Voltage	Battery	Per Cell
Float	13.5V~13.8V	2.25V~2.30V
Cycle	14.4V~15.0V	2.40V~2.45V
Max. Charge Current	0.69A	

Capacity Specifications

5 Second Discharge Current	34.5A
Self Discharge (to 80% capacity)	3 Months 92%
	6 Months 80%
	12 Months 64%
Internal Resistance	60mΩ(25°C)

Temperature Specifications

Operating Temperature Capability -40° F (-40° C) to 140° F (60° C)

Recommended parameters for optimal battery life and performance:

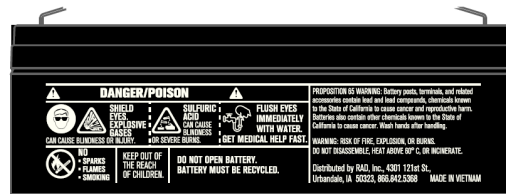
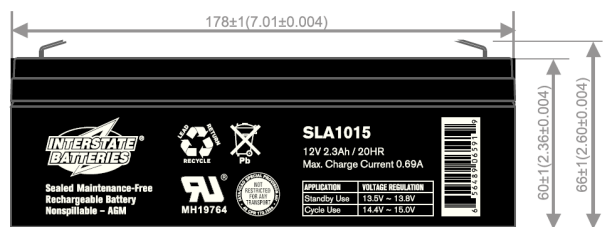
Charging: 32° F to 104° F (0° C to 50° C), Discharging: 5° F to 122° F (-15° to 50° C),

Storage: 50° to 77° F (10° C to 25° C)



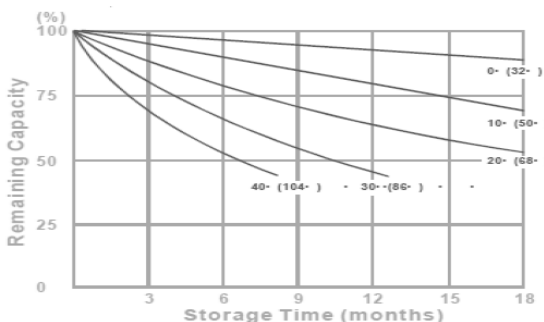
FEATURES:

- Used in several types of application
- Approved for all modes of transport
- More efficient connections between plates & terminals
- VRLA technology to eliminate spills and over-pressure
- Maintenance-free

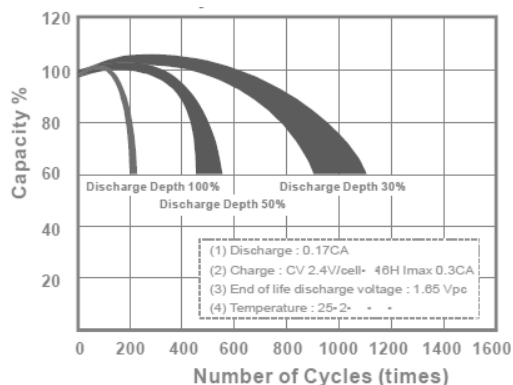


GENERAL PURPOSE

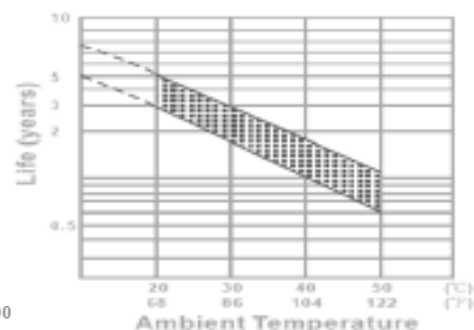
Capacity Retention Characteristics



Cycle Service Life



Trickle (of float) Service Life



Constant Power Discharge Characteristics: W (25°C)

F.V/Time	10 min	15 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.80V/cell	9.380	7.900	2.450	1.210	0.960	0.453	0.242
1.75V/cell	10.010	8.280	2.600	1.240	0.808	0.468	0.248
1.70V/cell	10.600	8.530	2.720	1.270	0.837	0.480	0.253
1.67V/cell	10.800	8.630	2.750	1.280	0.848	0.483	0.255
1.65V/cell	11.100	8.750	2.800	1.290	0.858	0.488	0.257
1.60V/cell	11.100	8.900	2.850	1.300	0.869	0.493	0.258

Constant Current Discharge Characteristics: A (25°C)

F.V/Time	10 min	15 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.80V/cell	5.450	4.150	1.340	0.562	0.383	0.226	0.118
1.75V/cell	5.680	4.270	1.390	0.587	0.396	0.232	0.121
1.70V/cell	5.870	4.380	1.420	0.609	0.405	0.237	0.123
1.67V/cell	5.940	4.420	1.430	0.618	0.409	0.238	0.124
1.65V/cell	6.030	4.470	1.450	0.628	0.414	0.240	0.125
1.60V/cell	6.150	4.530	1.470	0.643	0.419	0.242	0.126