

SLA1079

Technical Specifications

Nominal Voltage	12V
Nominal Capacity	8Ah (20 Hr Rate to 1.75V/cell)
Chemistry	Lead Acid -AGM

Physical Specifications

Length	151mm	5.94in
Width	65mm	2.56in
Height	94mm	3.70in
Height w/Terminal	100mm	3.94in
Weight (+/- 5%)	2.2 Kg	4.85lbs
Terminal Type	F2	
Case Material	ABS	

Charging Specifications

Charge Voltage	Battery	Per Cell
Float	13.7V~13.9V	2.28V~2.32V
Cycle	14.6V~14.8V	2.43V~2.47V
Max. Charge Current	2.4A	

Capacity Specifications

5 Second Discharge Current	80A
Self Discharge (to 80% capacity)	3 Months 91%
	6 Months 82%
	12 Months 64%
Internal Resistance	25mΩ(25°C)

Temperature Specifications

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

Recommended parameters for optimal battery life and performance:

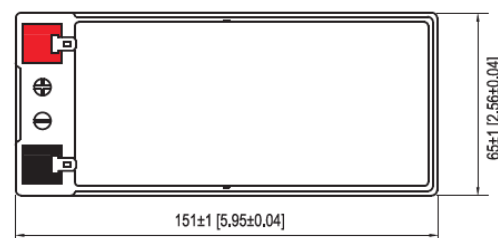
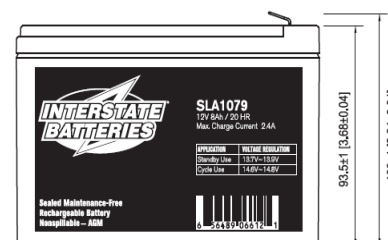
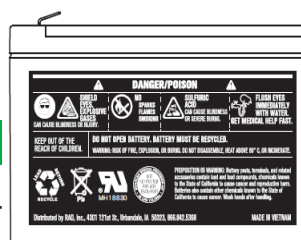
Charging: 32° F to 104° F (0° C to 50° C), Discharging: 5° F to 122° F (-15° to 50° C),

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



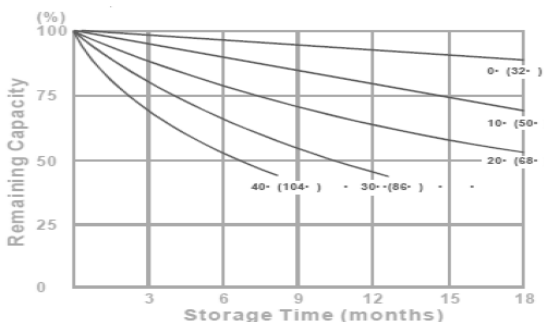
FEATURES:

- 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

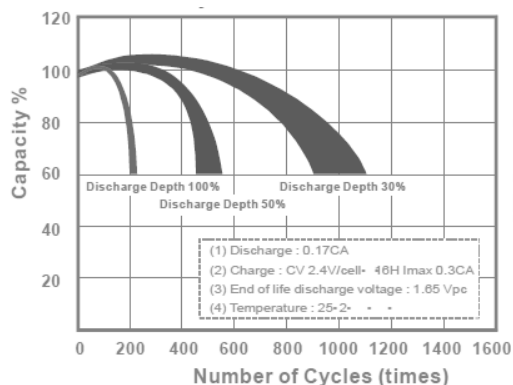


GENERAL PURPOSE

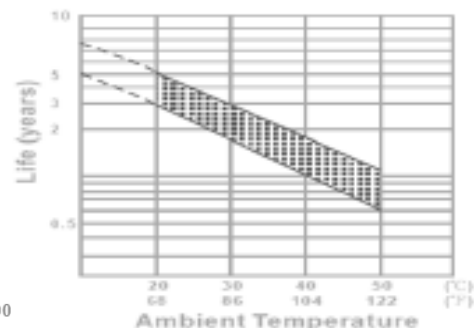
Capacity Retention Characteristics



Cycle Service Life



Trickle (of float) Service Life



Constant Current Discharge Characteristics: A (25°C)

F.V/Time	5 min	30 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.85V/cell	20.49	6.92	4.23	1.91	1.31	0.89	0.38
1.80V/cell	23.29	7.46	4.50	2.00	1.36	0.92	0.40
1.75V/cell	25.56	7.89	4.72	2.07	1.40	0.94	0.40
1.70V/cell	27.36	8.21	4.88	2.12	1.43	0.96	0.41
1.67V/cell	28.77	8.47	5.01	2.16	1.45	0.97	0.41
1.60V/cell	29.84	8.66	5.10	2.19	1.47	0.98	0.42

Constant Power Discharge Characteristics: W (25°C)

F.V/Time	5 min	30 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.85V/cell	38.60	13.41	8.27	3.79	2.61	1.46	0.77
1.80V/cell	43.10	14.32	8.75	3.95	2.70	1.51	0.79
1.75V/cell	46.49	14.99	9.13	4.06	2.77	1.54	0.81
1.70V/cell	48.89	15.46	9.40	4.15	2.82	1.57	0.83
1.67V/cell	50.83	15.84	9.61	4.21	2.86	1.59	0.83
1.60V/cell	51.37	15.96	9.68	4.24	2.88	1.60	0.83