

GENERAL PURPOSE

SLA1055

Technical Specifications

Nominal Voltage	12V
Nominal Capacity	5Ah (20 Hr Rate to 1.75V/cell)
Chemistry	Lead Acid -AGM

Physical Specifications

Length	90mm	3.54in
Width	70mm	2.76in
Height	101mm	3.98in
Height w/Terminal	101mm	3.98in
Weight (+/- 5%)	1.52 Kg	3.35lbs
Terminal Type	F1	
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	1.5A	

Capacity Specifications

5 Second Discharge Current	50A
Self Discharge (to 80% capacity)	3 Months 91%
	6 Months 82%
	12 Months 64%
Internal Resistance	35mΩ(25°C)

Temperature Specifications

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

Recommended parameters for optimal battery life and performance:

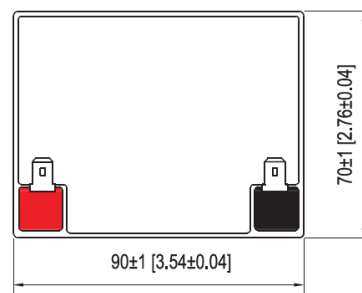
Charging: 32° F to 104° F (0° C to 50° C), Discharging: 5° F to 122° F (-15° to 50° C),

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



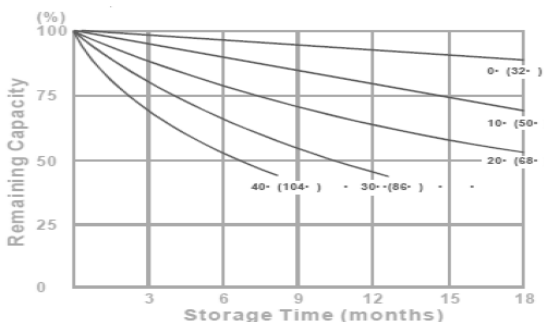
FEATURES:

- 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

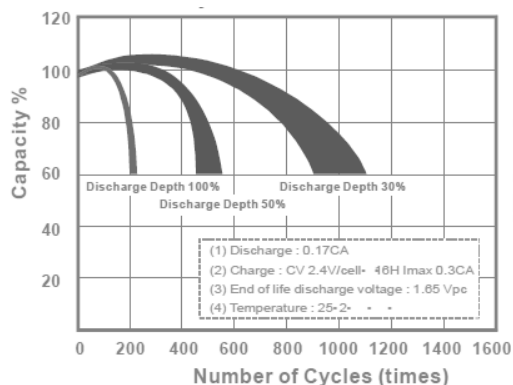


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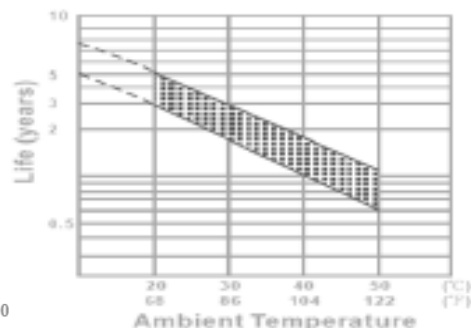
Capacity Retention Characteristics



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	13.61	4.41	2.64	1.20	0.82	0.46	0.24
1.80V/cell	15.47	4.76	2.82	1.25	0.85	0.47	0.26
1.75V/cell	16.98	4.03	2.95	1.29	0.88	0.48	0.25
1.70V/cell	18.18	5.24	3.05	1.33	0.90	0.49	0.26
1.67V/cell	19.11	5.40	3.13	1.35	0.91	0.50	0.26
1.60V/cell	19.82	5.52	3.19	1.37	0.92	0.50	0.26

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	25.64	8.55	5.17	2.37	1.63	0.91	0.48
1.80V/cell	28.63	9.13	5.47	2.47	1.69	0.94	0.50
1.75V/cell	30.88	9.56	5.70	2.54	1.73	0.96	0.51
1.70V/cell	32.47	9.86	5.87	2.59	1.76	0.98	0.51
1.67V/cell	33.76	10.10	6.00	2.63	1.79	0.99	0.52
1.60V/cell	34.12	10.18	6.05	2.65	1.80	1.00	0.52