

SLA0905

Technical Specifications

Nominal Voltage	6V
Nominal Capacity	4.5Ah (20 Hr Rate to 1.75V/cell)
Chemistry	Lead Acid -AGM

Physical Specifications

Length	70 mm	2.75in
Width	47mm	1.85 in
Height	101.0mm	3.97 in
Height w/Terminal	107.0mm	4.21in
Weight (+/- 5%)	0.75 Kg	1.65lbs
Terminal Type	F1	
Case Material	ABS	

Charging Specifications

Charge Voltage	Battery	Per Cell
Float	6.75V~6.9V	2.25V~2.30V
Cycle	7.20V~7.50V	2.40V~2.45V
Max. Charge Current	2.7A	

Capacity Specifications

5 Second Discharge Current	1.35A	
Self Discharge (to 80% capacity)	3 Months	91%
	6 Months	82%
	12 Months	64%
Internal Resistance	22mΩ(25°C)	

Temperature Specifications

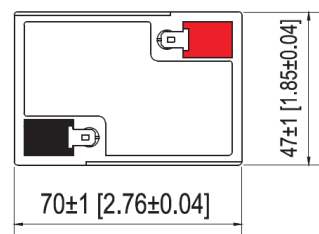
Operating Temperature Capability **-40° F (-40° C) to 140° F (60° C)**

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)

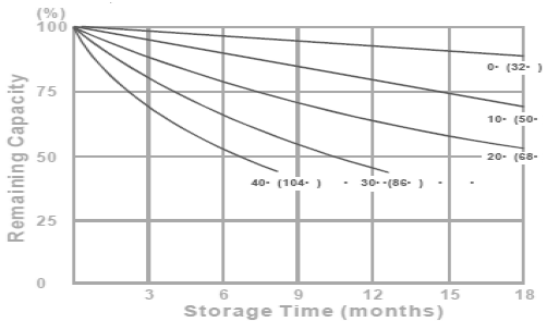


FEATURES:

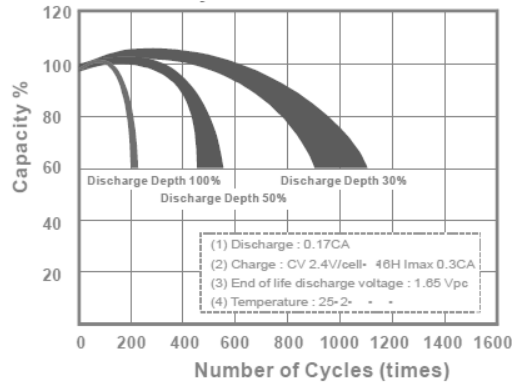
- Used in several types of application
- Approved for all modes of transport
- More efficient connections between plates & terminals
- VRLA technology to eliminate spills and over-pressure
- Maintenance-free



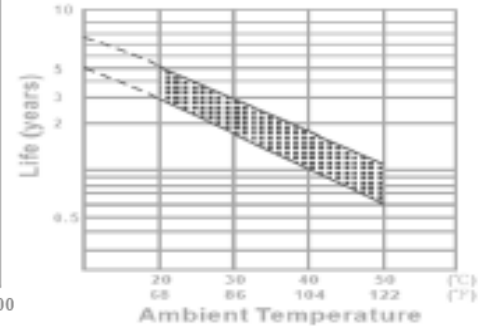
Capacity Retention Characteristics



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	9.30	4.07	2.19	1.00	0.63	0.39	0.21
1.80V/cell	12.00	4.36	2.39	1.07	0.67	0.41	0.22
1.75V/cell	13.30	4.58	2.51	1.11	0.70	0.42	0.23
1.70V/cell	14.10	4.68	2.57	1.12	0.71	0.42	0.23
1.67V/cell	14.50	4.75	2.62	1.13	0.72	0.43	0.23
1.60V/cell	14.80	4.78	2.65	1.14	0.72	0.43	0.23

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	16.10	7.92	4.36	1.98	1.25	0.77	0.42
1.80V/cell	20.70	8.55	4.67	2.11	1.32	0.80	0.44
1.75V/cell	24.20	8.91	4.83	2.17	1.37	0.82	0.45
1.70V/cell	26.60	9.08	4.91	2.21	1.39	0.83	0.45
1.67V/cell	28.50	9.19	4.99	2.23	1.41	0.84	0.46
1.60V/cell	29.80	9.24	5.03	2.24	1.41	0.84	0.46

