

SLA1185

Technical Specifications

Nominal Voltage	12V	
Nominal Capacity	100Ah (10 Hr Rate to 1.75V/cell)	
Chemistry	Lead Acid -AGM	

Physical Specifications

Length	307mm	12.09in
Width	168mm	6.61in
Height	208mm	8.19in
Height w/Terminal	230mm	9.06in
Weight (+/- 5%)	29.5kg	64.9lbs
Terminal Type	Flag	
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	30A	

Capacity Specifications

5 Second Discharge Current	1200A	
Self Discharge (to 80% capacity)	3 Months	91%
	6 Months	82%
	12 Months	64%
Internal Resistance	5mΩ(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)

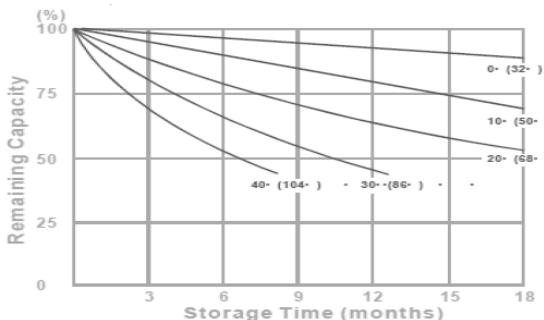


FEATURES:

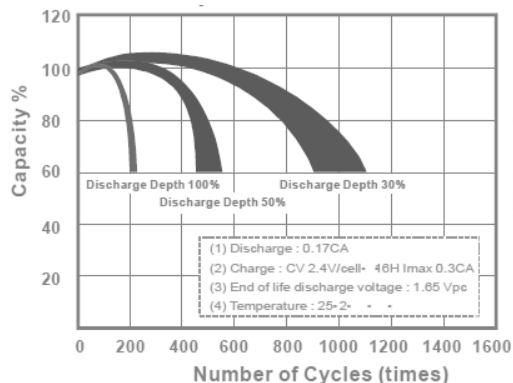
- Used in several types of application
- Approved for all modes of transport
- More efficient connections between plates & terminals
- VRLA technology to eliminate spills and over-pressure
- Maintenance-free



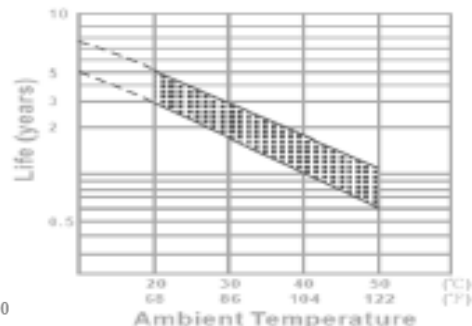
Capacity Retention Characteristics



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	202.00	7.12	43.60	22.60	16.10	9.71	5.09
1.80V/cell	267.00	83.70	50.80	23.70	16.70	10.00	5.26
1.75V/cell	305.00	92.10	56.50	24.80	17.20	10.20	5.38
1.70V/cell	336.00	101.00	60.60	25.70	17.60	10.40	5.48
1.67V/cell	346.00	103.00	61.50	26.10	17.80	10.50	5.53
1.60V/cell	375.00	111.00	64.90	27.20	18.10	10.70	5.64

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	458.00	163.00	112.00	47.20	31.30	18.00	10.40
1.80V/cell	512.00	174.00	116.00	49.70	32.80	19.20	10.70
1.75V/cell	549.00	183.00	119.00	51.80	34.20	20.00	11.00
1.70V/cell	584.00	191.00	122.00	52.20	35.20	20.80	11.20
1.67V/cell	600.00	195.00	125.00	54.00	36.00	21.50	21.80
1.60V/cell	649.00	206.00	126.00	55.20	36.70	21.80	11.50