

GENERAL PURPOSE

SLA1155

Technical Specifications

Nominal Voltage	12V
Nominal Capacity	35Ah (10 Hr Rate to 1.75V/cell)
Chemistry	Lead Acid -AGM

Physical Specifications

Length	196 mm	7.75 in
Width	131 mm	5.16 in
Height	159 mm	6.26 in
Height w/Terminal	180 mm	7.09 in
Weight (+/- 5%)	10.03 Kg	22.11 lbs
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~14.8V	2.40V~2.45V
Max. Charge Current	9.9A	

Capacity Specifications

5 Second Discharge Current	330A
Self Discharge (to 80% capacity)	3 Months 91%
	6 Months 82%
	12 Months 64%
Internal Resistance	8mΩ(25°C)

Temperature Specifications

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

Recommended parameters for optimal battery life and performance:

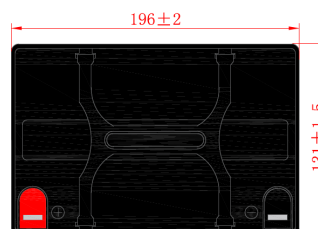
Charging: 32° F to 104° F (0° C to 50° C), Discharging: 5° F to 122° F (-15° to 50° C),

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



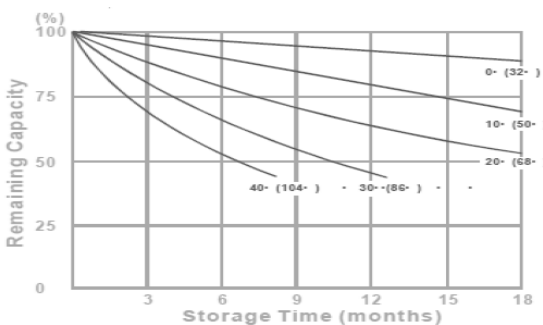
FEATURES:

- 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

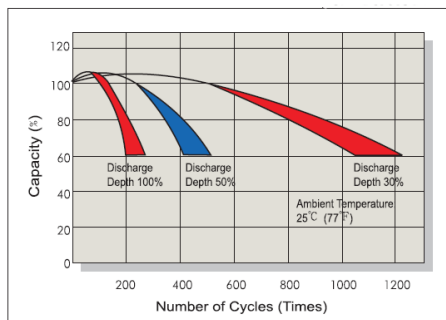


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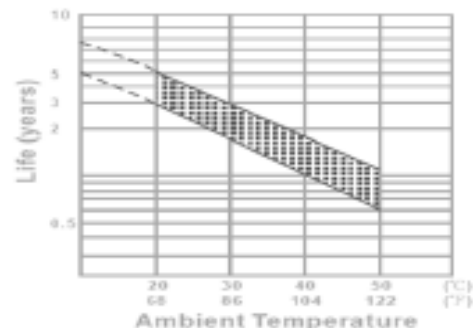
Capacity Retention Characteristics



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	85.00	31.70	18.20	7.90	5.47	3.35	1.78
1.80V/cell	97.00	33.80	19.60	8.70	5.94	3.51	1.84
1.75V/cell	108.00	35.30	20.50	9.20	6.20	3.50	1.87
1.70V/cell	116.00	36.50	21.10	9.50	6.40	3.60	1.89
1.67V/cell	123.00	37.40	21.50	9.70	6.55	3.62	1.90
1.60V/cell	130.00	38.10	21.80	9.80	6.64	3.63	1.91

Constant Power Discharge Characteristics: W (25°C)

F.V/Time	5 min	15 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.85V/cell	120.00	85.00	36.10	15.80	10.90	6.63	3.55
1.80V/cell	154.00	102.00	38.30	17.10	11.70	6.87	3.66
1.75V/cell	179.00	115.00	39.40	18.00	12.20	6.86	3.72
1.70V/cell	191.00	121.00	40.20	18.60	12.60	7.07	3.76
1.67V/cell	205.00	130.00	40.90	19.00	12.80	7.12	3.78
1.60V/cell	214.00	137.00	41.40	19.30	13.00	7.15	3.79