

SLA1165

Technical Specifications

Nominal Voltage	12V
Nominal Capacity	55Ah (20 Hr Rate to 1.80V/cell)
Chemistry	Lead Acid -AGM

Physical Specifications

Length	229mm	9.02in
Width	138mm	5.43in
Height	205mm	8.07in
Height w/Terminal	231mm	9.09in
Weight (+/- 5%)	18kg	39lbs
Terminal Type	Flag	
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	16.5A	

Capacity Specifications

5 Second Discharge Current	550A	
Self Discharge (to 80% capacity)	3 Months	91%
	6 Months	82%
	12 Months	64%
Internal Resistance	6mΩ(25°C)	

Temperature Specifications

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

Recommended parameters for optimal battery life and performance:

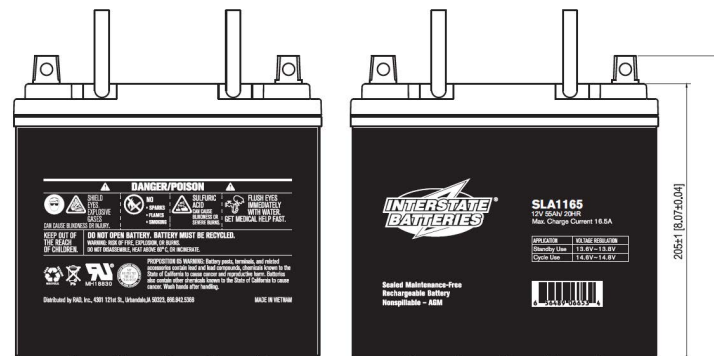
Charging: 32° F to 104° F (0° C to 50° C), Discharging: 5° F to 122° F (-15° to 50° C),

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



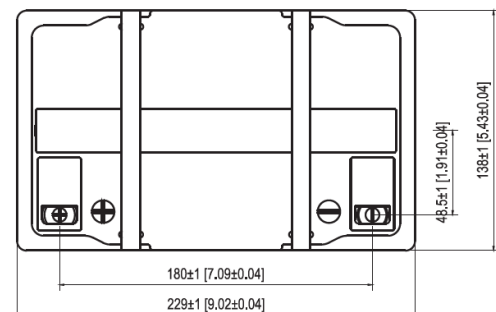
FEATURES:

- 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

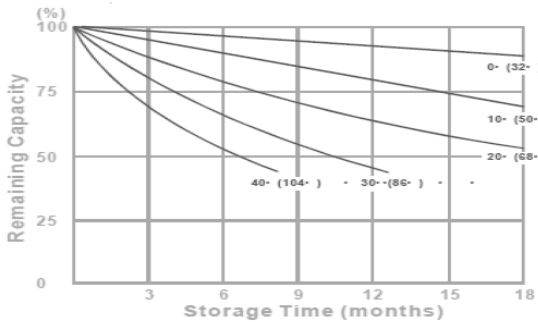


Back Side

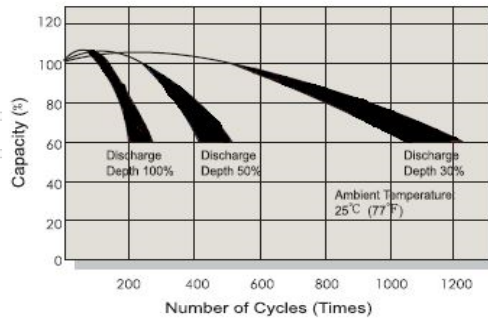
Front Side



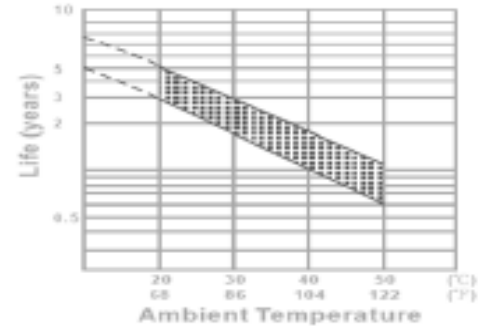
Capacity Retention Characteristics



Cycle Service Life



Trickle (of float) Service Life



Constant Current Discharge Characteristics: A (25°C)

F.V/Time	10 min	30 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.85V/cell	90.10	49.00	29.50	12.40	8.70	5.29	2.82
1.80V/cell	103.90	52.40	31.80	13.50	9.30	5.50	2.92
1.75V/cell	113.70	54.90	33.20	14.00	9.60	5.59	2.96
1.70V/cell	120.60	56.90	34.30	14.30	9.70	5.62	2.99
1.67V/cell	122.80	57.70	34.70	14.40	9.80	5.63	3.00
1.60V/cell	126.40	58.70	35.20	14.50	9.90	5.64	3.01

Constant Power Discharge Characteristics: W (25°C)

F.V/Time	10 min	30 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.85V/cell	120.80	93.50	58.60	24.70	17.30	10.46	5.61
1.80V/cell	147.60	99.90	62.00	26.60	18.40	10.82	5.80
1.75V/cell	168.50	104.70	64.20	27.60	18.90	10.97	5.89
1.70V/cell	186.10	108.10	65.60	28.10	19.10	11.03	5.94
1.67V/cell	194.30	109.30	66.10	28.30	19.20	11.06	5.95
1.60V/cell	204.90	111.20	66.90	28.60	19.20	11.10	5.97