

## SLA1105

### Technical Specifications

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

### Physical Specifications

Length	151mm	5.94in
Width	98mm	3.86in
Height	95mm	3.74in
Height w/Terminal	101mm	3.98in
Weight (+/- 5%)	3.35 Kg	7.37 lbs
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	3.6A	

### Capacity Specifications

5 Second Discharge Current	120A
Self Discharge (to 80% capacity)	3 Months 91%
	6 Months 82%
	12 Months 64%
Internal Resistance	16.5mΩ(25°C)

### Temperature Specifications

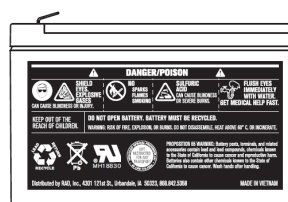
Operating Temperature Capability **-40° F (-40° C) to 140° F (60° C)**

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)

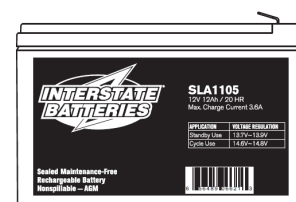


### FEATURES:

- 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

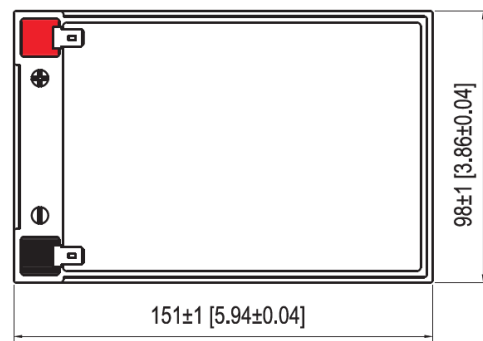


Back side



Front side

95±1 [3.74±0.04]  
101±1 [3.98±0.04]

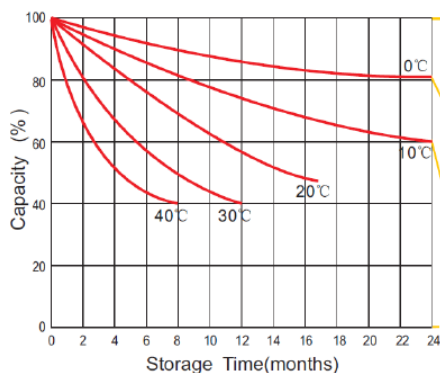


98±1 [3.86±0.04]

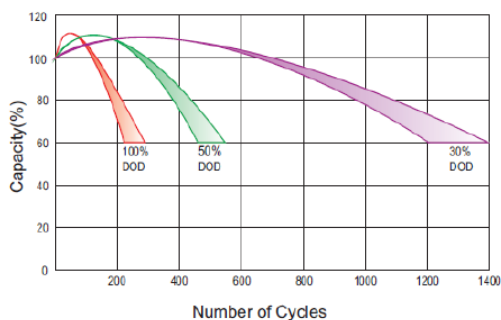
151±1 [5.94±0.04]



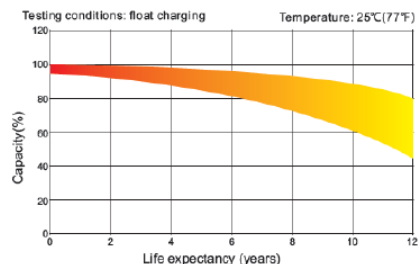
Capacity Retention Characteristics



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
1.60V/cell	46.15	13.11	7.65	3.28	2.21	1.20	0.63
1.65V/cell	44.48	12.83	7.51	3.24	2.18	1.19	0.62
1.70V/cell	42.31	12.45	7.33	3.18	2.15	1.17	0.61
1.75V/cell	39.53	11.95	7.08	3.10	2.10	1.15	0.60
1.8V/cell	36.01	11.30	6.76	3.00	2.04	1.13	0.59
1.85V/cell	31.69	10.48	6.34	2.87	1.96	1.09	0.58

### Constant Power Discharge Characteristics: W (25°C)

F.V/Time	5 min	30 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.60V/cell	79.43	24.18	14.53	6.36	5.09	2.40	1.25
1.65V/cell	78.60	24.00	14.41	6.32	4.29	2.38	1.24
1.70V/cell	75.60	23.42	14.10	6.22	4.23	2.35	1.23
1.75V/cell	71.89	22.71	13.69	6.10	4.16	2.31	1.21
1.80V/cell	66.65	21.70	13.13	5.92	4.05	2.56	1.19
1.85V/cell	59.69	20.32	12.41	5.68	3.91	2.19	1.16