GENERAL PURPOSE

SLA1116

Technical Specifications

Nominal Voltage	12V
Nominal Capacity	18Ah (20 Hr Rate to 1.75V/cell)
Chemistry	Lead Acid -AGM

Physical Specifications

Length	181mm	7.13in
Width	76mm	2.99in
Height	167mm	6.57in
Height w/Terminal	167mm	6.57in
Weight (+/- 5%)	5 Kg	11.02lbs
Terminal Type	NUT & BOLT	
Case Material	ABS	

Charging Specifications

Charge Voltage	Battery	Per Cell
Float	13.7V~13.9V	2.28V~2.32V
Cycle	14.6V~14.8V	2.43V~2.47V
Max. Charge Current	5.4A	

Capacity Specifications

5 Second Discharge Current	180A
Self Discharge (to 80% capacity	3 Months 91% 6 Months 82% 12 Months 64%
Internal Resistance	14mΩ(25°C)

Temperature Specifications

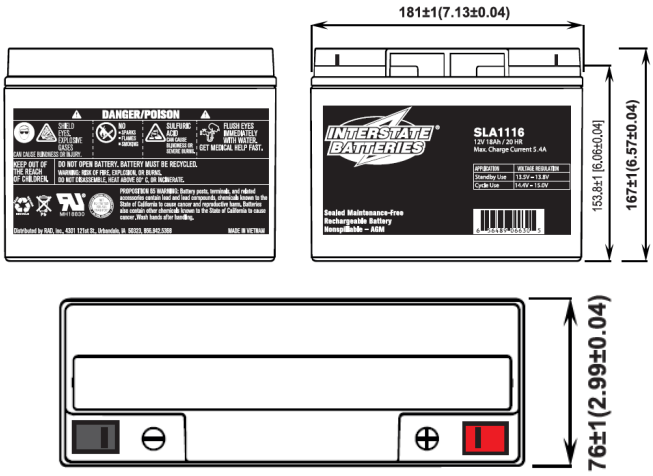
Operating Temperature Capablity	-40° F (-40° C) to 140° F (60° C)

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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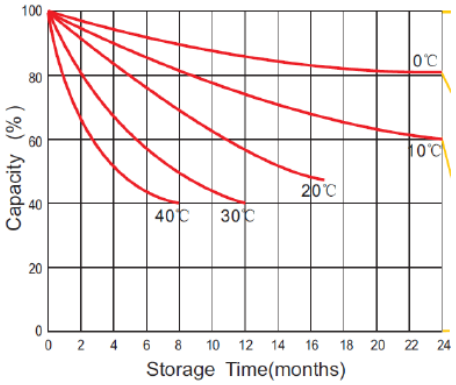
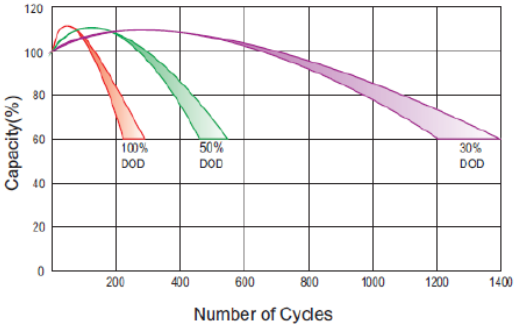
GENERAL PURPOSE

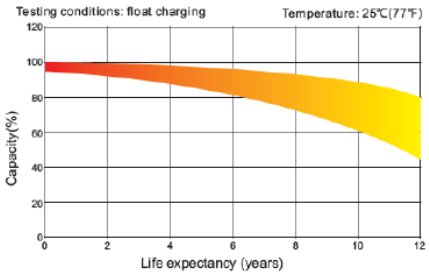
Capacity Retention Characteristics



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	47.54	15.72	9.44	4.27	2.93	1.63	0.86
1.80V/cell	54.02	16.95	10.06	4.47	3.04	1.68	0.88
1.75V/cell	59.29	17.92	10.54	4.62	3.13	1.72	0.90
1.70V/cell	63.47	18.67	10.91	4.74	3.20	1.75	0.91
1.67V/cell	66.72	19.24	11.20	4.83	3.25	1.77	0.92
1.60V/cell	69.22	19.67	11.40	4.89	3.29	1.79	0.93

1.72							
F.V/Time	5 min	30 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.85V/cell	89.54	30.48	18.48	8.47	5.83	3.27	1.73
1.80V/cell	99.97	32.55	19.56	8.82	6.04	3.37	1.77
1.75V/cell	107.80	34.07	20.39	9.08	6.19	3.44	1.81
1.70V/cell	113.40	35.13	21.00	9.27	6.30	3.50	1.83
1.67V/cell	117.90	36.00	21.46	9.41	6.39	3.54	1.85
1.60V/cell	119.20	36.27	21.64	9.48	6.43	3.57	1.86

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