

BATT-12V-75i

Technical Specifications

Nominal Voltage	12V
Nominal Capacity	75Ah (20 Hr Rate to 1.75V/cell)
Chemistry	Lead Acid -AGM

Physical Specifications

Length	259mm	10.2in
Width	168mm	6.61 in
Height	208mm	8.19in
Height w/Terminal	214mm	8.43in
Weight (+/- 5%)	22.3Kg	49.2lbs
Terminal Type	NUT AND BOLT	
Case Material	ABS	

Charging Specifications

Charge Voltage	Battery	Per Cell
Float	13.5V~13.8V	2.25V~2.3V
Cycle	14.4V~15.0V	2.4V~2.5V
Max. Charge Current	22.5A	

Capacity Specifications

5 Second Discharge Current	900A	
Self Discharge (to 80% capacity)	3 Months	91%
	6 Months	82%
	12 Months	64%
Internal Resistance	6.6mΩ(25°C)	

Temperature Specifications

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

Recommended parameters for optimal battery life and performance:

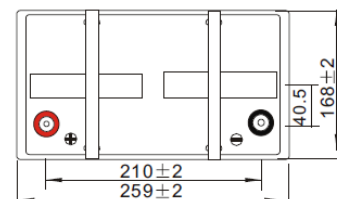
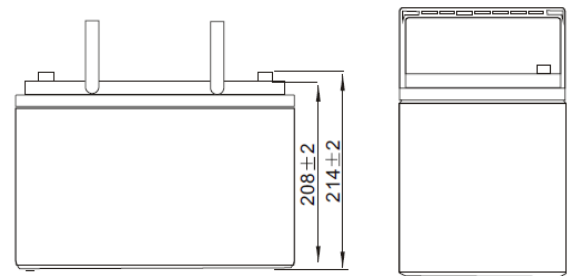
Charging: 32° F to 104° F (0° C to 50° C), Discharging: 5° F to 122° F (-15° to 50° C),

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



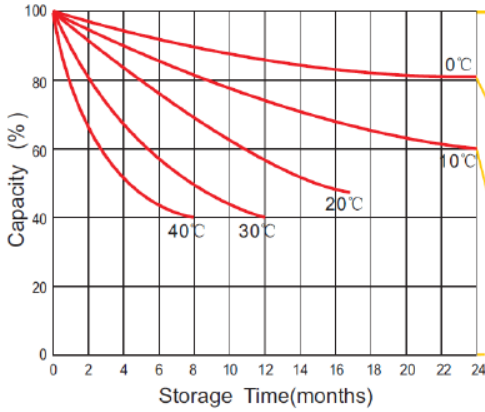
FEATURES:

- 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

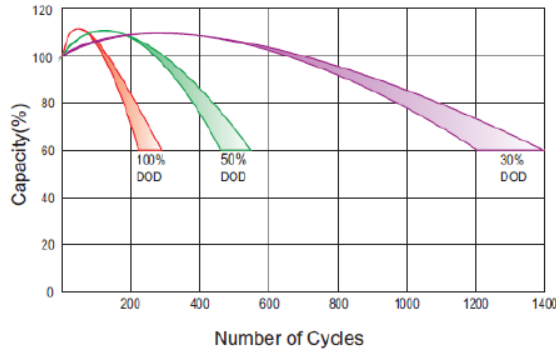


Sealed AGM

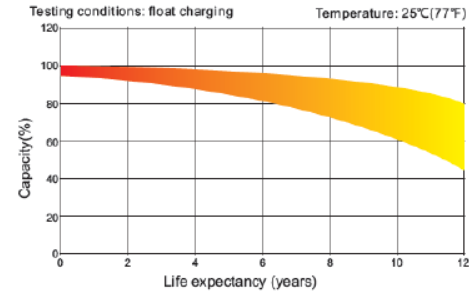
Capacity Retention Characteristics



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	128.40	57.10	35.40	17.80	11.70	7.08	3.86
1.80V/cell	172.30	67.30	39.60	19.20	12.60	7.50	3.90
1.75V/cell	194.30	69.90	41.40	19.50	12.90	7.58	3.94
1.70V/cell	213.90	72.70	42.70	20.10	13.20	7.65	4.01
1.67V/cell	235.90	76.70	44.20	20.90	13.60	7.81	4.07
1.60V/cell	260.20	81.00	45.80	21.60	14.10	7.89	4.09

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	234.70	108.70	68.20	34.70	23.00	14.00	7.65
1.80V/cell	311.70	126.30	76.00	37.10	24.60	14.80	7.71
1.75V/cell	343.90	130.10	79.10	37.70	25.10	14.90	7.78
1.70V/cell	368.20	134.60	81.40	38.70	25.70	15.10	7.92
1.67V/cell	400.30	140.90	83.50	40.10	26.30	15.40	8.02
1.60V/cell	431.30	147.70	86.00	41.20	27.10	15.50	8.05