

DCM0075

Technical Specifications

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

Physical Specifications

Length	260mm	10.20in
Width	168mm	6.61in
Height	208mm	8.19in
Height w/Terminal	214mm	8.43in
Weight (+/- 5%)	22.3Kg	49.2bs
Terminal Type	INSERT TERMINALS	
Case Material	ABS	

Charging Specifications

Charge Voltage	Battery	Per Cell
Float	13.5V~13.8V	2.25V~2.30V
Cycle	14.4V~15.0V	2.40V~2.50V
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:

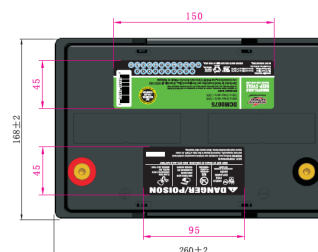
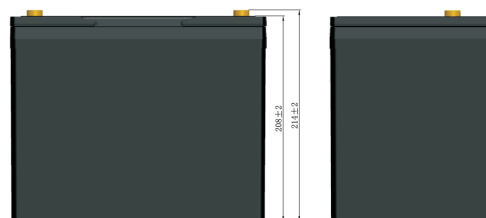
Charging: 32° F to 104° F (0° C to 50° C), Discharging: 5° F to 122° F (-15° to 50° C),

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

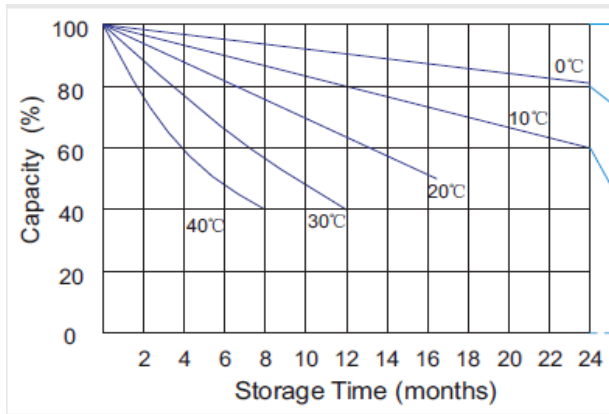


FEATURES:

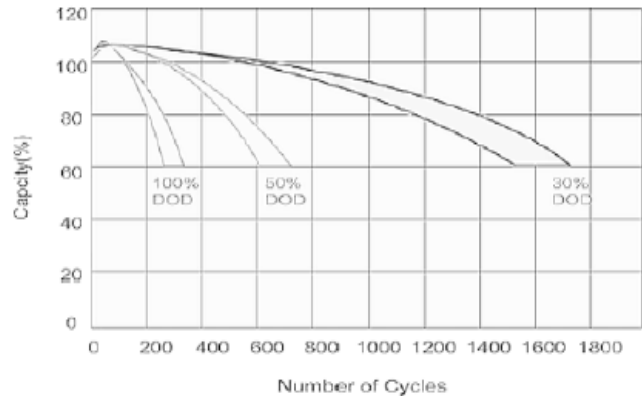
- Long life for deep discharge uses
- Ideal for applications using major capacity prior to recharging
- Depth of discharge should be between 50% & 80% and recharged as soon as possible
- Flexibility of mounting orientation
- VRLA technology to eliminate spills and over-pressurization
- Maintenance-free



Storage Characteristics



Cycle Life of Deep Cycle



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	109.80	58.10	37.40	18.10	11.90	7.08	3.98
1.80V/cell	140.30	68.60	41.90	19.50	12.80	7.50	4.02
1.75V/cell	154.20	71.20	43.90	19.90	13.20	7.58	4.06
1.70V/cell	168.00	74.10	45.30	20.40	13.50	7.65	4.13
1.67V/cell	181.40	78.10	46.80	21.30	13.90	7.81	4.19
1.60V/cell	196.90	82.50	48.50	22.00	14.30	7.89	4.21

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	204.90	111.60	72.70	35.40	23.40	14.00	7.97
1.80V/cell	258.30	130.10	80.90	37.90	25.10	14.80	8.03
1.75V/cell	280.30	134.40	84.40	38.50	25.70	15.00	8.10
1.70V/cell	301.30	139.40	86.80	39.50	26.30	15.01	8.24
1.67V/cell	322.80	146.40	89.40	41.10	27.00	15.40	8.34
1.60V/cell	344.50	153.00	91.80	42.10	27.70	15.60	8.37

