

DCM0060

Technical Specifications

Nominal Voltage	12V
Nominal Capacity	60Ah (20 Hr Rate to 1.75V/cell)
Chemistry	Lead Acid -AGM

Physical Specifications

Length	260mm	10.47in
Width	168mm	6.61in
Height	184mm	7.24in
Height w/Terminal	189mm	7.44in
Weight (+/- 5%)	20Kg	44bs
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~14.8V	2.40V~2.47V
Max. Charge Current	18A	

Capacity Specifications

5 Second Discharge Current	600A	
Self Discharge (to 80% capacity)	3 Months	91%
	6 Months	82%
	12 Months	64%
Internal Resistance	7.5mΩ(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)

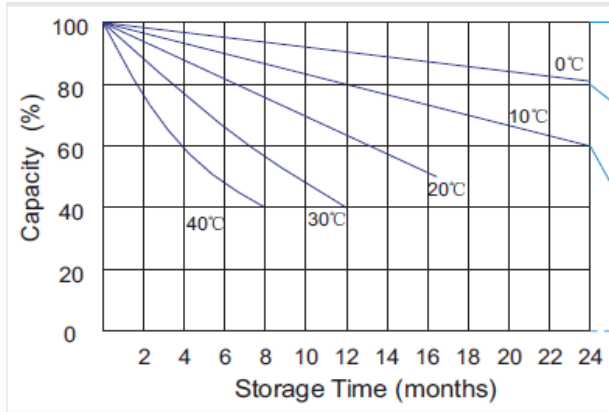


FEATURES:

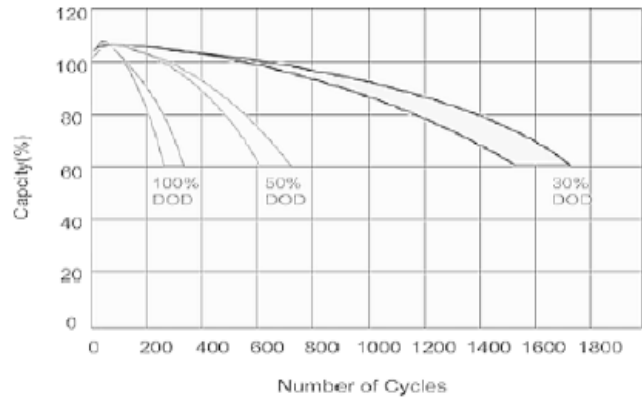
- Long life for deep discharge uses
- Ideal for applications using major capacity prior to recharging
- Depth of discharge should be between 50% & 80% and recharged as soon as possible
- Flexibility of mounting orientation
- VRLA technology to eliminate spills and over-pressurization
- Maintenance-free



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	148.00	55.60	31.70	13.50	9.20	5.56	3.01
1.80V/cell	164.00	62.80	34.80	14.80	9.90	6.00	3.19
1.75V/cell	174.00	64.40	35.80	15.60	10.00	6.11	3.24
1.70V/cell	194.00	65.30	36.80	15.90	10.50	6.21	3.27
1.67V/cell	214.00	66.30	37.50	16.40	11.00	6.26	3.29
1.60V/cell	218.00	66.60	38.10	16.80	11.10	6.28	3.30

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	277.00	109.00	63.20	27.10	18.50	11.10	6.07
1.80V/cell	304.00	123.00	68.80	29.50	19.70	11.87	6.37
1.75V/cell	323.00	126.00	70.80	31.11	20.50	11.92	6.46
1.70V/cell	360.00	127.00	72.80	31.70	20.90	12.35	6.50
1.67V/cell	398.00	130.00	74.30	32.50	21.80	12.47	6.53
1.60V/cell	400.00	129.00	75.00	33.20	21.90	12.50	6.55

