

DCM0012

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	93mm	3.66in
Height w/Terminal	98mm	3.66in
Weight (+/- 5%)	3.65Kg	8.05lbs
Terminal Type	F2	
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	3.6A	

Capacity Specifications

5 Second Discharge Current	180A		
Self Discharge (to 80% capacity)	3 Months	91%	
	6 Months	82%	
	12 Months	64%	
Internal Resistance	11mΩ(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)



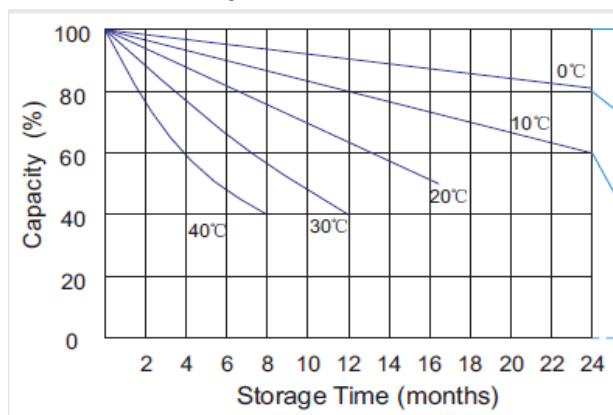
FEATURES:

- 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

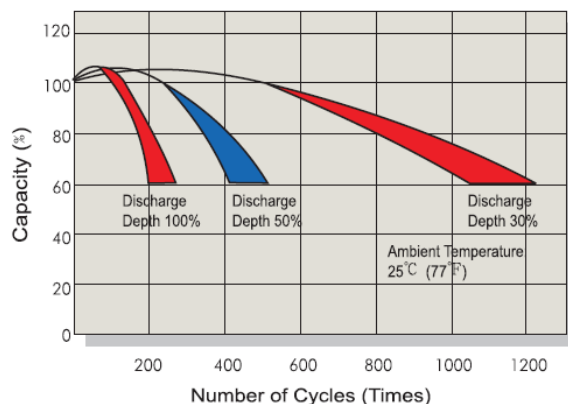


DEEP CYCLE

Storage Characteristics



Cycle 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	38.20	12.92	7.40	3.22	2.17	1.16	0.62
1.67V/cell	37.50	12.81	7.32	3.20	2.16	1.15	0.62
1.70V/cell	37.00	12.72	7.25	3.18	2.14	1.15	0.62
1.75V/cell	35.20	12.45	7.07	3.13	2.11	1.14	0.61
1.80V/cell	31.70	11.97	6.74	3.02	2.04	1.11	0.60
1.85V/cell	24.50	11.04	6.16	2.75	1.90	1.05	0.58

Constant Power Discharge Characteristics: W (25°C)

F.V/Time	5 min	15 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.60V/cell	72.10	43.00	14.06	6.35	4.15	2.28	1.23
1.67V/cell	68.80	41.00	13.94	6.30	4.14	2.27	1.23
1.70V/cell	66.60	39.50	13.85	6.26	4.12	2.26	1.22
1.75V/cell	60.90	36.60	13.63	6.16	4.06	2.23	1.22
1.80V/cell	52.40	32.50	13.19	5.94	3.92	2.19	1.19
1.85V/cell	40.80	27.30	12.25	5.47	3.71	2.08	1.15