

## DCM0026

### Technical Specifications

|                  |                                 |
|------------------|---------------------------------|
| Nominal Voltage  | 12V                             |
| Nominal Capacity | 26Ah (20 Hr Rate to 1.75V/cell) |
| Chemistry        | Lead Acid -AGM                  |

### Physical Specifications

|                   |                  |         |
|-------------------|------------------|---------|
| Length            | 175mm            | 6.88in  |
| Width             | 165mm            | 6.49in  |
| Height            | 122mm            | 4.80in  |
| Height w/Terminal | 127mm            | 5.00in  |
| Weight (+/- 5%)   | 7.3Kg            | 16.09bs |
| 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 | 8.1A        |             |

### Capacity Specifications

|                                  |            |     |
|----------------------------------|------------|-----|
| 5 Second Discharge Current       | 260A       |     |
| Self Discharge (to 80% capacity) | 3 Months   | 91% |
|                                  | 6 Months   | 82% |
|                                  | 12 Months  | 64% |
| Internal Resistance              | 14mΩ(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)

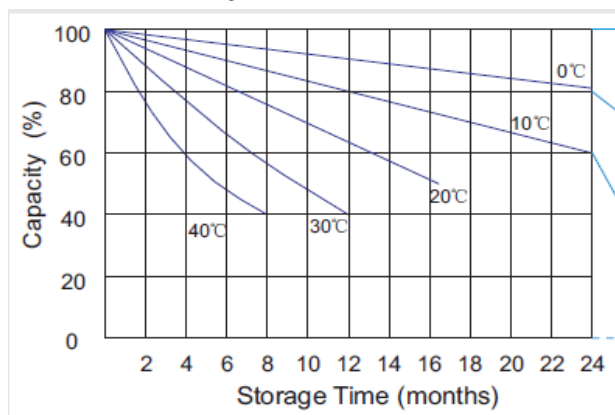


### FEATURES:

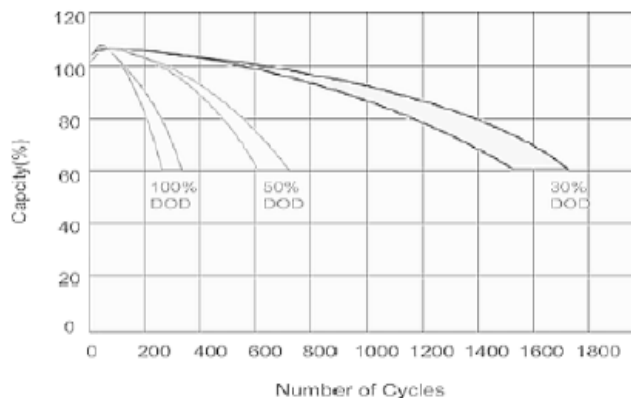
- Long life for deep discharge uses
- Ideal for applications using major capacity prior to recharging
- Depth of discharge should be between 50% & 80% and recharged as soon as possible
- Flexibility of mounting orientation
- VRLA technology to eliminate spills and over-pressurization
- Maintenance-free



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 |
|------------|-------|--------|-------|------|------|-------|-------|
| 1.60V/cell | 89.70 | 28.39  | 15.40 | 6.70 | 4.59 | 2.53  | 1.34  |
| 1.67V/cell | 84.60 | 27.76  | 15.13 | 6.61 | 4.53 | 2.51  | 1.32  |
| 1.70V/cell | 80.20 | 27.31  | 14.84 | 6.57 | 4.44 | 2.50  | 1.31  |
| 1.75V/cell | 75.70 | 26.91  | 14.30 | 6.50 | 4.40 | 2.47  | 1.30  |
| 1.80V/cell | 67.30 | 25.22  | 13.74 | 6.31 | 4.20 | 2.40  | 1.26  |
| 1.85V/cell | 60.50 | 23.83  | 13.20 | 5.96 | 3.95 | 2.30  | 1.22  |

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 | 164.80 | 86.20  | 30.31 | 13.21 | 9.05 | 4.98  | 2.65  |
| 1.67V/cell | 157.50 | 85.10  | 30.07 | 13.25 | 8.97 | 4.98  | 2.64  |
| 1.70V/cell | 148.70 | 81.70  | 29.37 | 13.07 | 8.84 | 4.95  | 2.62  |
| 1.75V/cell | 140.40 | 76.20  | 28.28 | 12.96 | 8.75 | 4.89  | 2.61  |
| 1.80V/cell | 124.80 | 67.80  | 27.16 | 12.57 | 8.37 | 4.74  | 2.52  |
| 1.85V/cell | 113.00 | 63.70  | 26.32 | 11.99 | 7.94 | 4.59  | 2.46  |