

# DC55-12

(55AH/12 Volt)

Industry Reference: 22NF



**DEEP CYCLE SERIES**



## CONSTANT CURRENT DISCHARGE (Amps)

| CUT OFF VOLTAGE V/cell | 15M | 30M | 45M | 1H   | 2H   | 3H   | 5H  | 8H | 10H | 12H  | 20H  | 24H  |
|------------------------|-----|-----|-----|------|------|------|-----|----|-----|------|------|------|
| 1.75V                  | 81  | 49  | 41  | 31.3 | 16.6 | 12.5 | 8.7 | 6  | 5   | 4.22 | 2.75 | 2.30 |

## CRANKING PERFORMANCE

| CA 32°F | CCA 0°F |
|---------|---------|
| 480     | 400     |

## RESERVE CAPACITY

| @25 Amps   | @75 Amps   |
|------------|------------|
| 96 minutes | 21 minutes |

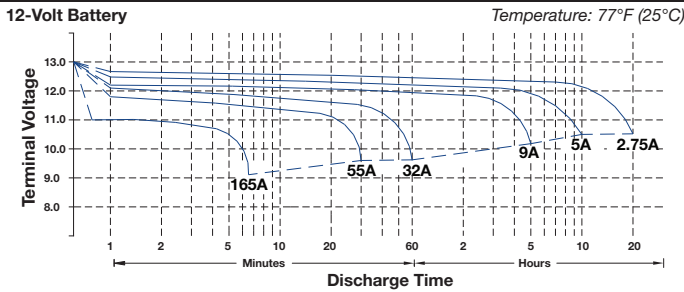
## SPECIFICATIONS

|                               |                                    |                    |
|-------------------------------|------------------------------------|--------------------|
| Nominal Voltage               |                                    | 12 Volt            |
| Rated Capacity (20 hour rate) |                                    | 55 AH              |
| Dimensions                    | Total Height (including terminals) | 212 mm (8.35")     |
|                               | Height                             | 208 mm (8.19")     |
|                               | Length                             | 229 mm (9.02")     |
|                               | Width                              | 138 mm (5.43")     |
| Weight                        |                                    | 17.6 kg (38.8 lbs) |

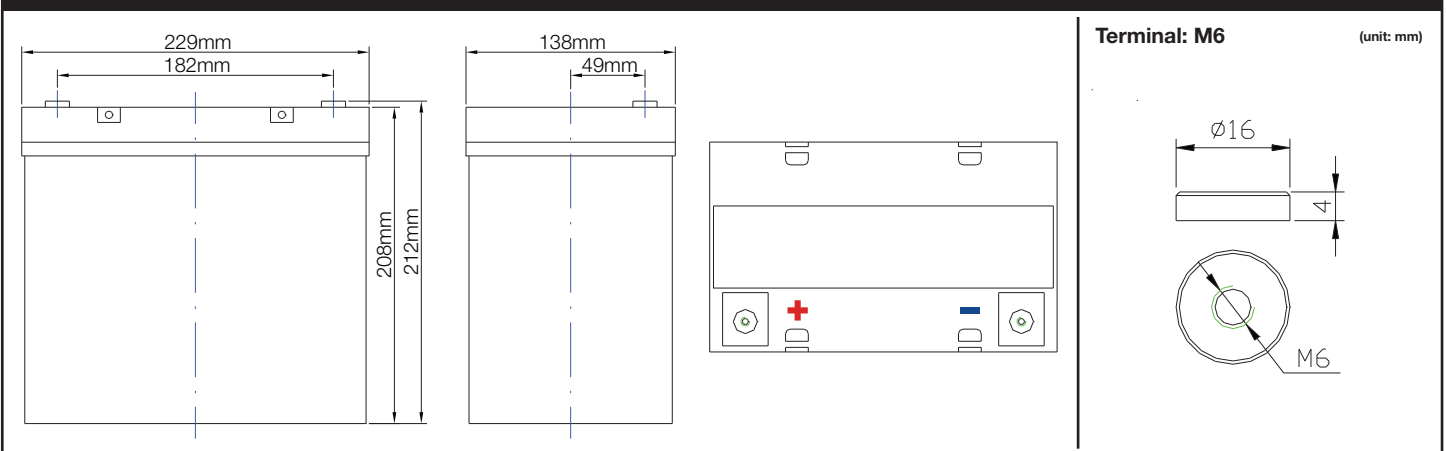
## CHARACTERISTICS

|   |                                    |   |
|---|------------------------------------|---|
| <b>Capacity</b><br>77°F (25°C)                            | 20 Hour Rate (2.75A to 10.5 Volts) | 55AH  |
|   | 10 Hour Rate (5A to 10.5 Volts)    | 50AH  |
|   | 5 Hour Rate (9A to 10.2 Volts)     | 45AH  |
| <b>Internal Resistance</b>                                | Full charged Battery 77°F (25°C)   | 8.0m Ω  |
| <b>Capacity Affected by Temperature</b><br>(20 Hour Rate) | 104°F (40°C)                       | 102%  |
|   | 77°F (25°C)                        | 100%  |
|   | 32°F (0°C)                         | 85%   |
|   | 5°F (-15°C)                        | 65%   |
| <b>Self-Discharge</b><br>77°F (25°C)                      | Capacity after 3 month storage     | 91%   |
|   | Capacity after 6 month storage     | 82%   |
|   | Capacity after 12 month storage    | 64%   |
| <b>Max. Discharge Current</b><br>77°F (25°C)              | 825A (5s)                          |   |
| <b>Terminal Standard</b>                                  | M6                                 |   |
| <b>Charging</b><br>(Constant Voltage)                     | <b>Cycle</b>                       | Initial Charging Current $\leq 0.2 \times C20$<br>14.5 V ~ 14.9 V/77°F (25°C) |
|   | <b>Float</b>                       | 13.6 V ~ 13.8 V/77°F (25°C)   |

## DISCHARGE CHARACTERISTICS



## SIZE & DETAILED ILLUSTRATION



This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modifications without notice. Contact Fullriver for the latest information.