

# DC85-12

(85AH/12 Volt)

Industry Reference: 24



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                  | 123 | 79  | 58  | 48.3 | 25.6 | 19.2 | 13.5 | 9.2 | 7.7 | 6.5 | 4.3 | 3.6 |

## CRANKING PERFORMANCE

| CA 32°F | CCA 0°F |
|---------|---------|
| 600     | 510     |

## RESERVE CAPACITY

| @25 Amps    | @75 Amps   |
|-------------|------------|
| 145 minutes | 34 minutes |

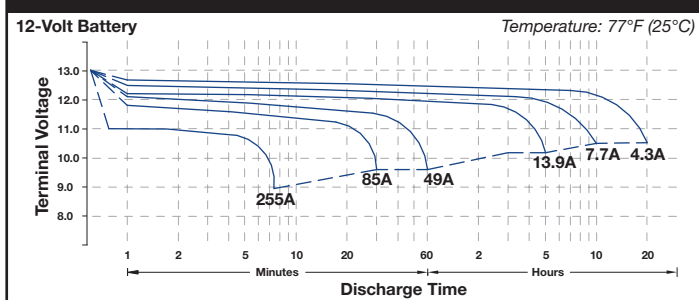
## SPECIFICATIONS

|                               |                                    |                    |
|-------------------------------|------------------------------------|--------------------|
| Nominal Voltage               |                                    | 12 Volt            |
| Rated Capacity (20 hour rate) |                                    | 85 AH              |
| Dimensions                    | Total Height (including terminals) | 236 mm (9.29")     |
|                               | Height                             | 211 mm (8.31")     |
|                               | Length                             | 260 mm (10.24")    |
|                               | Width                              | 169 mm (6.65")     |
| Weight                        |                                    | 25.1 kg (55.3 lbs) |

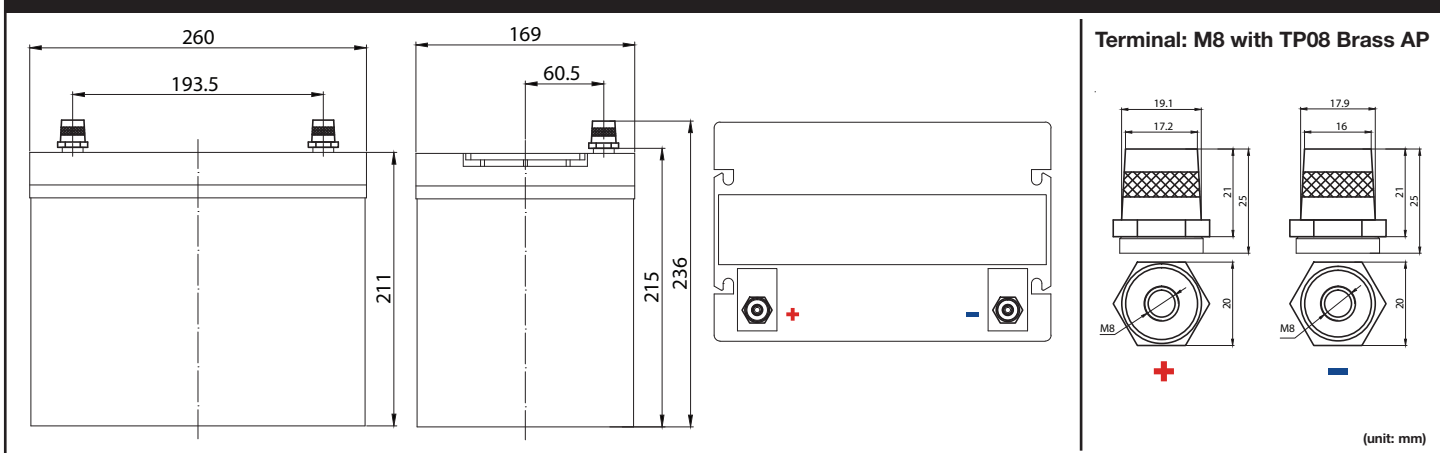
## CHARACTERISTICS

|  |                                    |   |
|--|------------------------------------|---|
| Capacity<br>77°F (25°C)                            | 20 Hour Rate (4.25A to 10.5 Volts) | 85AH  |
|  | 10 Hour Rate (7.7A to 10.5 Volts)  | 77AH  |
|  | 5 Hour Rate (13.9A to 10.2 Volts)  | 70AH  |
| Internal Resistance                                | Full charged Battery 77°F (25°C)   | 5.5m Ω  |
| Capacity Affected by Temperature<br>(20 Hour Rate) | 104°F (40°C)                       | 102%  |
|  | 77°F (25°C)                        | 100%  |
|  | 32°F (0°C)                         | 85%   |
|  | 5°F (-15°C)                        | 65%   |
| Self-Discharge<br>77°F(25°C)                       | Capacity after 3 month storage     | 91%   |
|  | Capacity after 6 month storage     | 82%   |
|  | Capacity after 12 month storage    | 64%   |
| Max. Discharge<br>Current 77°F (25°C)              | 1275A (5s)                         |   |
| Terminal   | Standard                           | M8 with TP08 Brass AP   |
| Charging<br>(Constant Voltage)                     | Cycle                              | Initial Charging Current $\leq 0.2 \times C20$<br>14.5 V ~ 14.9 V/77°F (25°C) |
|  | Float                              | 13.6 V ~ 13.8 V/77°F (25°C)   |

## DISCHARGE CHARACTERISTICS



## SIZE & DETAILED ILLUSTRATION



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