

## FEATURES

- 10-year design life, 2400 cycles @ 50% DoD
- Lead-Carbon Technology; Fast recharge
- Operating temp. range -40°C to 60°C
- Non-halogenated thermally sealed plastic case
- Maximum saving when used with Genset/Solar
- IEC60896, IEC61427 compliant



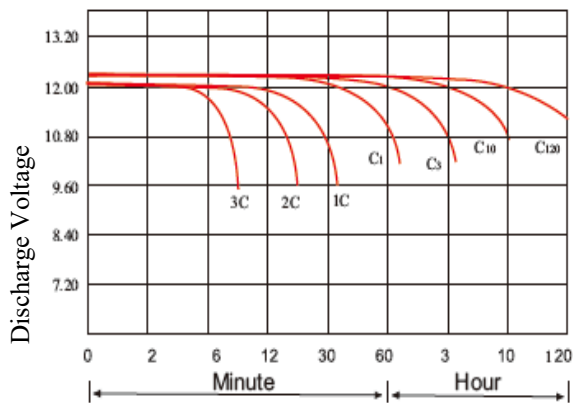
|                                 |                                                                                                |
|---------------------------------|------------------------------------------------------------------------------------------------|
| Nominal Voltage                 | 12V                                                                                            |
| Capacity                        | 100AH (100 Hours to 1.85V/Cell at 20° to 25°C)<br>85AH (10 Hours to 1.80V/Cell at 20° to 25°C) |
| Internal Resistance             | Approximately 3.83 Ω                                                                           |
| Temperature Range               | Maximum: 40°C to 60°C                                                                          |
| Self Discharge                  | Residual capacity, above 90% after 90 days storage (20° to 25°C)                               |
| Discharging Current             | 40A                                                                                            |
| Maximum Charge Current          | 20A                                                                                            |
| Maximum Constant Charge Current | 18A                                                                                            |
| Discharging Current             | Floating: 2.5V/Cell (25°C to 30°C)<br>Equalizing/Cycle: 2.30V/Cell (25°C to 30°C)              |
| Terminal                        | M8                                                                                             |
| Weight                          | 32 KG                                                                                          |

| Voltage/Cell | 1 Hour | 3 Hours | 5 Hours | 8 Hours | 10 Hours | 24 Hours | 48 Hours | 72 Hours | 120 Hours |
|--------------|--------|---------|---------|---------|----------|----------|----------|----------|-----------|
| 1.75         | 94.25  | 43.34   | 30.09   | 21.12   | 17.59    | 7.85     | 4.05     | 2.75     | 1.79      |
| 1.80         | 88.25  | 42.02   | 29.44   | 20.69   | 17.19    | 7.71     | 3.99     | 2.7      | 1.75      |
| 1.83         | 82.68  | 40.69   | 28.68   | 20.34   | 16.82    | 7.52     | 3.88     | 2.63     | 1.69      |
| 1.85         | 79.67  | 39.82   | 28.44   | 20.11   | 16.69    | 7.45     | 3.84     | 2.61     | 1.65      |
| 1.88         | 76.33  | 39.09   | 28.11   | 19.85   | 16.59    | 7.39     | 3.81     | 2.59     | 1.62      |

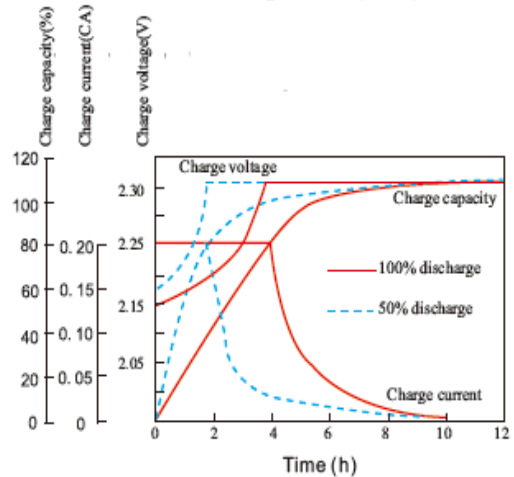
| Voltage/Cell | 15 Mins | 30 Mins | 1 Hour | 2 Hours | 3 Hours | 4 Hours | 5 Hours | 6 Hours | 8 Hours | 10 Hours |
|--------------|---------|---------|--------|---------|---------|---------|---------|---------|---------|----------|
| 1.75         | 412.5   | 311.4   | 190.5  | 125.6   | 88.5    | 74.4    | 62.2    | 54.5    | 42.3    | 35.3     |
| 1.80         | 375.3   | 301.5   | 187.5  | 123.4   | 86.4    | 71.1    | 60.8    | 52.2    | 38.7    | 34.1     |
| 1.83         | 355.4   | 287.4   | 181.4  | 119.5   | 83.6    | 69.9    | 59.5    | 50.7    | 38.3    | 33.7     |
| 1.85         | 345.6   | 275.7   | 175.4  | 115.4   | 82.4    | 68.4    | 57.7    | 49.7    | 37.6    | 32.9     |
| 1.88         | 308.9   | 257.1   | 163.5  | 105.7   | 79.5    | 64.6    | 55.6    | 46.3    | 36.8    | 32.1     |

## Technical Specifications

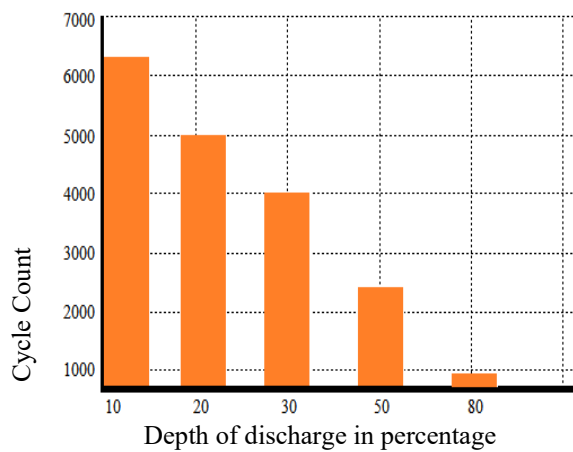
Discharge Curve (25°C)



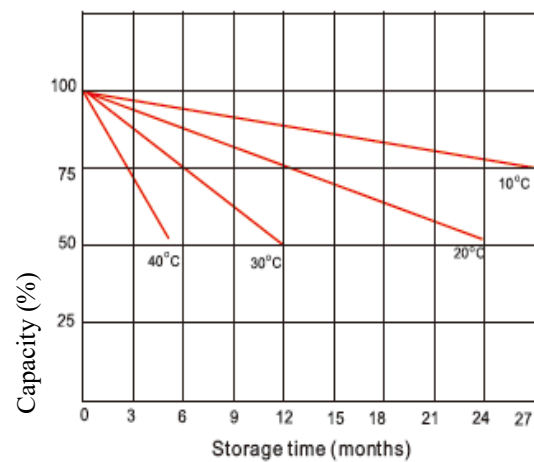
Charge Curve (25°C)



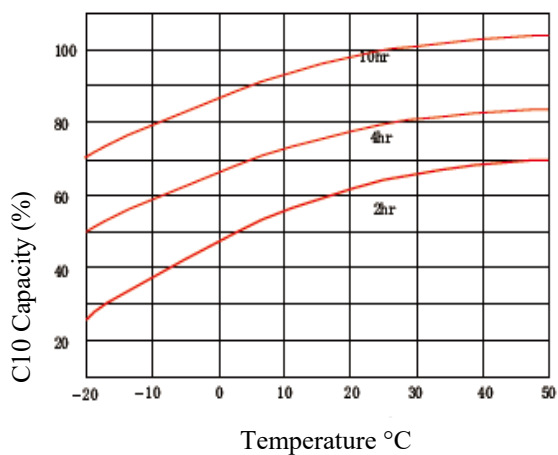
Cycle Life



Residue Capacity - Storage Time Comparison



Capacity - Temperature Comparison



Design Life - Temperature Comparison

