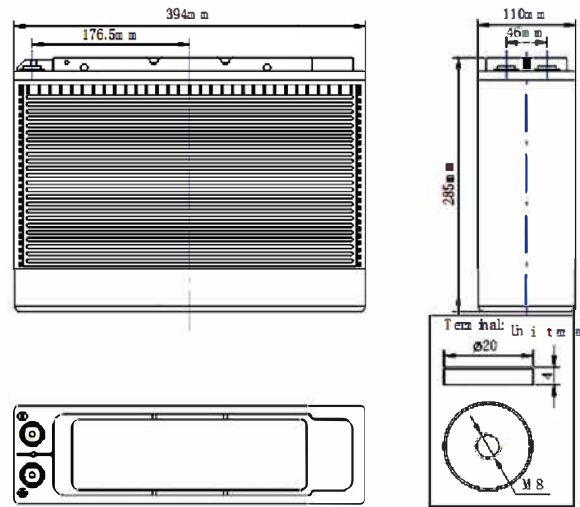


## Product Image



## Product Dimensions



## Characteristics

|                                                   |                           |                                                              |
|---------------------------------------------------|---------------------------|--------------------------------------------------------------|
| Nominal Voltage                                   |                           | 12V                                                          |
| Nominal Capacity (20 hour rate)                   |                           | 110Ah                                                        |
| Capacity<br>25°C (77°F)                           | 10 hour rate (10.47A)     | 104.7Ah                                                      |
|                                                   | 5 hour rate (19.6A)       | 98Ah                                                         |
|                                                   | 1 hour rate (72.6A)       | 72.6Ah                                                       |
| Internal Resistance                               | Full Charged Battery 25°C | ≤3.5mΩ                                                       |
| Capacity affected by<br>Temperature<br>(10 hour)  | 40°C (104°F)              | 102%                                                         |
|                                                   | 25°C (77°F)               | 100%                                                         |
|                                                   | 0°C (32°F)                | 90%                                                          |
|                                                   | -15°C (5°F)               | 70%                                                          |
| Self-Discharge<br>25°C (77°F)<br>Capacity         | after 3 month storage     | 92%                                                          |
|                                                   | after 6 month storage     | 84%                                                          |
|                                                   | after 12 month storage    | 65%                                                          |
| Charge<br>(Constant<br>Voltage)<br>25°C<br>(77°F) | Float                     | Initial Charging Current Less than 22A<br>Voltage 13.6-13.8V |
|                                                   | Cycle                     | Initial Charging Current Less than 22A<br>Voltage 14.4-14.9V |

## Packaging

|                       |                 |              |
|-----------------------|-----------------|--------------|
| Battery<br>Dimensions | Length          | 394mm        |
|                       | Width           | 110mm        |
|                       | Height          | 285mm        |
|                       | Total<br>Height | 285mm        |
| Box<br>Dimensions     | Length          | 409mm        |
|                       | Width           | 125mm        |
|                       | Height          | 345mm        |
| Quantity Per Box      |                 | 1 PC per box |
| Net weight Per Cell   |                 | 34 kg±400g   |
| Net weight Per Box    |                 | 34kg         |
| Gross Weight          |                 | 34.5kg       |

### Discharge Constant Current per Cell (Amperes at 77°F25°C)

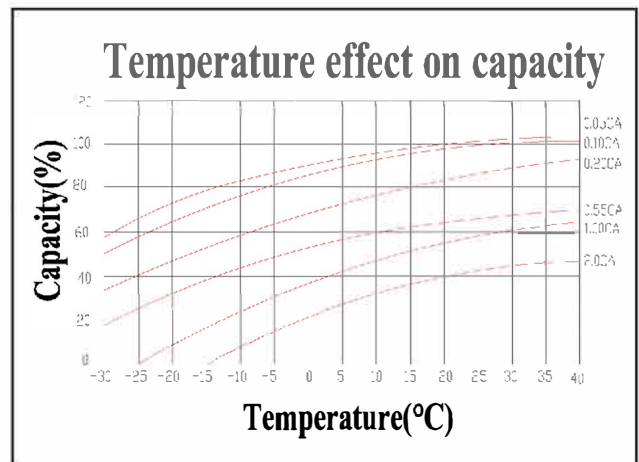
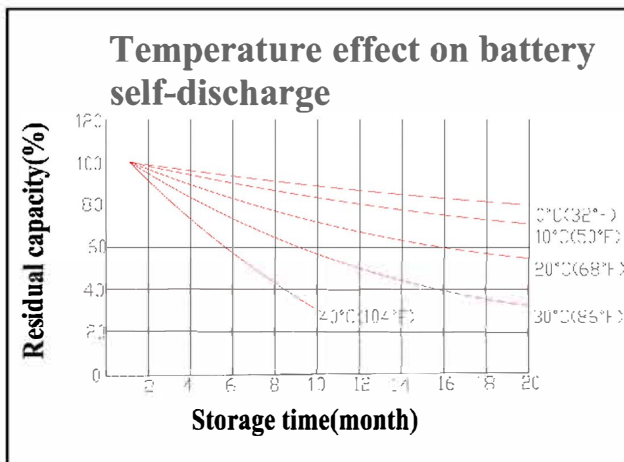
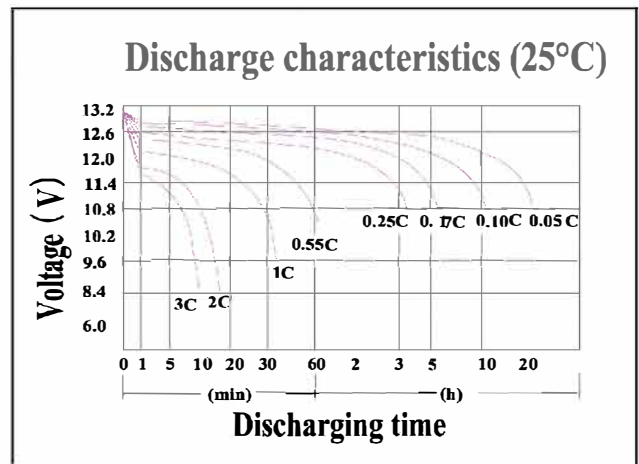
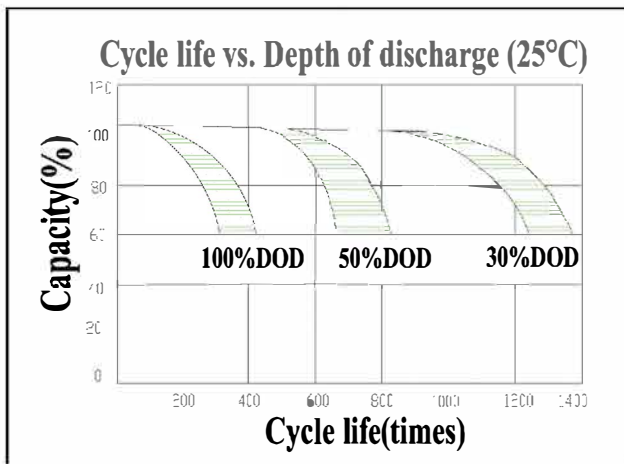
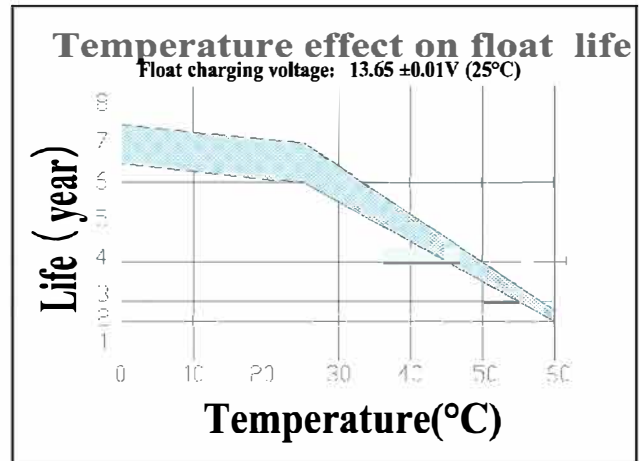
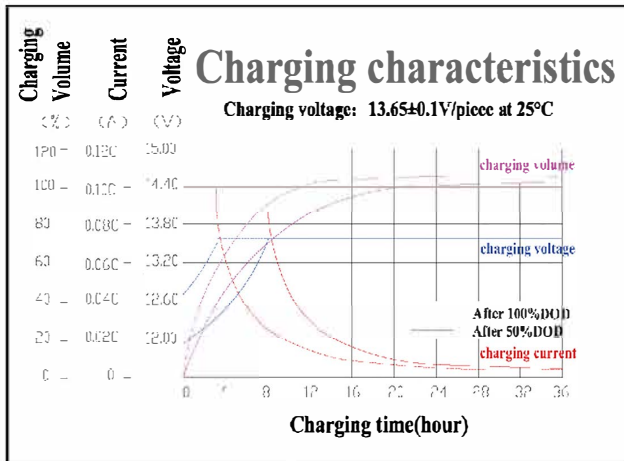
| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h   | 8h    | 10h   | 20h  |
|----------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|------|
| 1.60V    | 314.6 | 242.0 | 182.1 | 121.0 | 84.7  | 72.6 | 45.4 | 31.1 | 20.7 | 13.94 | 11.52 | 6.05 |
| 1.65V    | 308.9 | 237.6 | 178.8 | 118.8 | 83.2  | 71.3 | 44.6 | 30.5 | 20.4 | 13.68 | 11.31 | 5.94 |
| 1.70V    | 303.2 | 233.2 | 175.5 | 116.6 | 81.6  | 70.0 | 43.7 | 30.0 | 20.0 | 13.43 | 11.10 | 5.83 |
| 1.75V    | 297.4 | 228.8 | 172.2 | 114.4 | 80.1  | 68.6 | 42.9 | 29.4 | 19.6 | 13.18 | 10.89 | 5.72 |
| 1.80V    | 286.0 | 220.0 | 165.5 | 110.0 | 77.0  | 66.0 | 41.3 | 28.3 | 18.8 | 12.67 | 10.47 | 5.50 |

### Discharge Constant Power per Cell (Watts at 77°F 25°C)

| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h    | 2h   | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 1.60V    | 605.6 | 465.9 | 350.5 | 232.9 | 163.0 | 139.8 | 87.3 | 59.9 | 39.9 | 26.8 | 22.2 | 11.6 |
| 1.65V    | 594.6 | 457.4 | 344.1 | 228.7 | 160.1 | 137.2 | 85.8 | 58.8 | 39.2 | 26.3 | 21.8 | 11.4 |
| 1.70V    | 583.6 | 448.9 | 337.8 | 224.5 | 157.1 | 134.7 | 84.2 | 57.7 | 38.5 | 25.9 | 21.4 | 11.2 |
| 1.75V    | 572.6 | 440.4 | 331.4 | 220.2 | 154.2 | 132.1 | 82.6 | 56.6 | 37.7 | 25.4 | 21.0 | 11.0 |
| 1.80V    | 550.6 | 423.5 | 318.7 | 211.8 | 148.2 | 127.1 | 79.4 | 54.4 | 36.3 | 24.4 | 20.2 | 10.6 |

**Note:** The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact Logan Distributors for the latest information

## Performance Characteristics



## Battery Construction

| Component    | Positive plate | Negative plate | Container | Cover | Safety valve | Terminal | Separator  | Electrolyte |
|--------------|----------------|----------------|-----------|-------|--------------|----------|------------|-------------|
| Raw material | Lead dioxide   | Lead           | ABS       | ABS   | Si-Rubber    | Copper   | Fiberglass | GEL         |

## Logan Distributors

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