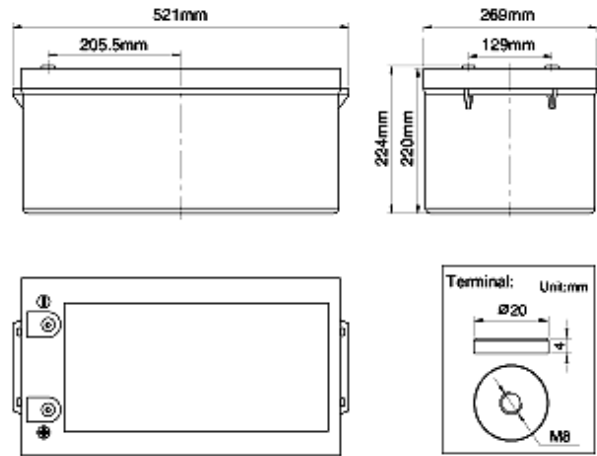


## Product Image



## Product Dimensions



## Characteristics

|   |                           |  |
|---|---------------------------|--|
| Nominal Voltage                                   |                           | 12V  |
| Nominal Capacity (20 hour rate)                   |                           | 260Ah  |
| Capacity<br>25°C (77°F)                           | 10 hour rate (23.4A)      | 234Ah  |
|   | 5 hour rate (41.4A)       | 207Ah  |
|   | 1 hour rate (144.1A)      | 144.1Ah  |
| Internal Resistance                               | Full Charged Battery 25°C | ≤1.6mΩ   |
| 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 52A<br>Voltage 13.6-13.8V |
|   | Cycle                     | Initial Charging Current Less than 52A<br>Voltage 14.4-14.9V |

## Packaging

|                       |                 |              |
|-----------------------|-----------------|--------------|
| Battery<br>Dimensions | Length          | 521mm        |
|                       | Width           | 269mm        |
|                       | Height          | 220mm        |
|                       | Total<br>Height | 224mm        |
| Box<br>Dimensions     | Length          | 537mm        |
|                       | Width           | 284mm        |
|                       | Height          | 299mm        |
| Quantity Per Box      |                 | 1 PC per box |
| Net weight Per Cell   |                 | 77.0 kg±500g |
| Net weight Per Box    |                 | 77.0kg       |
| Gross Weight          |                 | 77.8kg       |

### Discharge Constant Current per Cell (Amperes at 77°F/25°C)

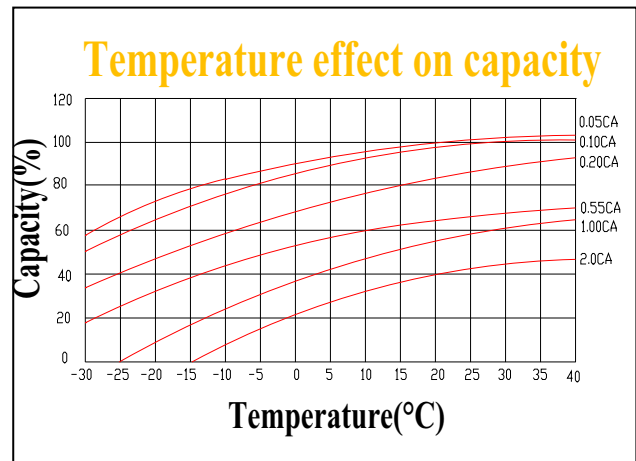
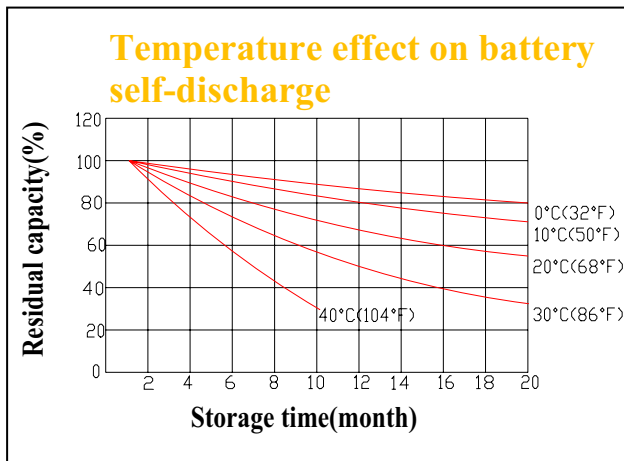
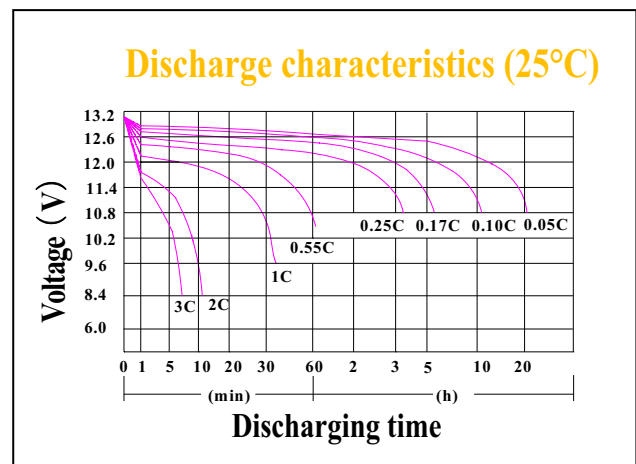
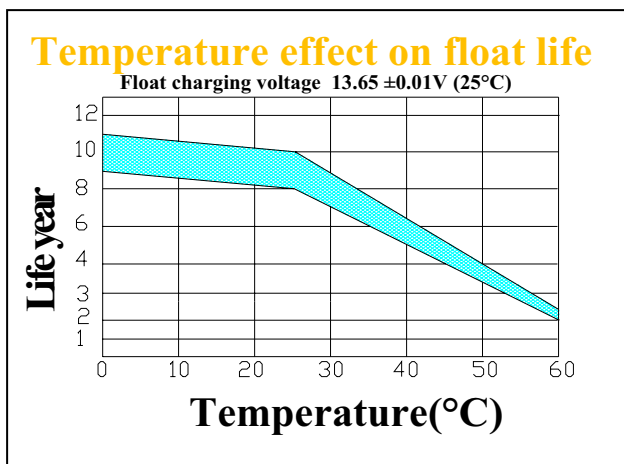
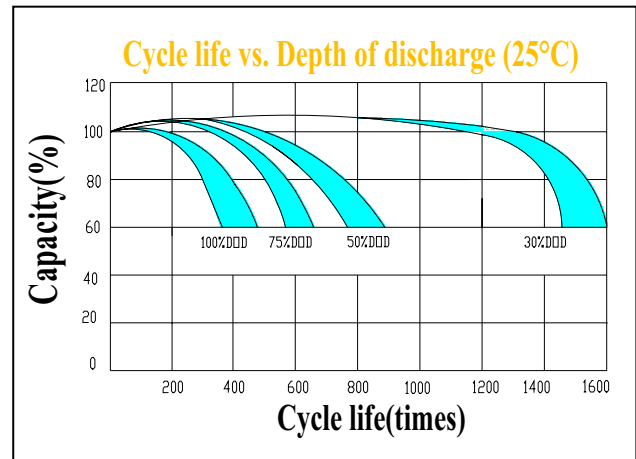
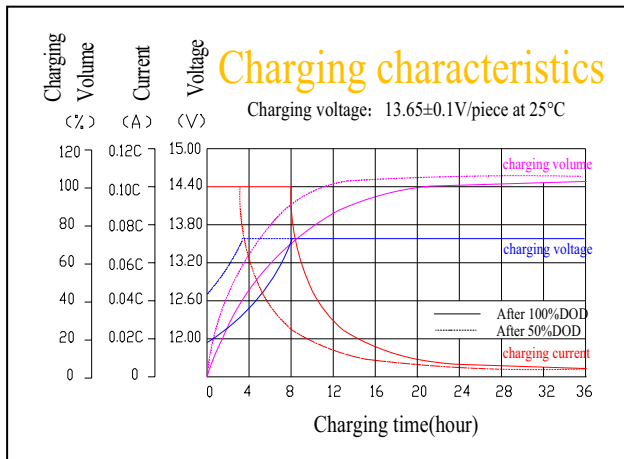
| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h    | 2h   | 3h   | 5h   | 8h   | 10h  | 20h   |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|
| 1.60V    | 617.8 | 393.8 | 334.6 | 213.6 | 157.0 | 144.1 | 91.6 | 64.4 | 43.8 | 28.8 | 25.7 | 14.3  |
| 1.65V    | 606.5 | 386.7 | 328.5 | 209.8 | 154.2 | 141.5 | 90.0 | 63.2 | 43.0 | 28.3 | 25.3 | 14    |
| 1.70V    | 595.3 | 379.5 | 322.5 | 205.9 | 151.3 | 138.9 | 88.3 | 62.0 | 42.2 | 27.8 | 24.8 | 13.8  |
| 1.75V    | 584.1 | 372.3 | 316.4 | 202.0 | 148.4 | 136.3 | 86.6 | 60.8 | 41.4 | 27.3 | 24.3 | 13.5  |
| 1.80V    | 561.6 | 358.0 | 304.2 | 194.2 | 142.7 | 131.0 | 83.3 | 58.5 | 39.8 | 26.2 | 23.4 | 13.00 |

### 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    | 1189.2 | 758.1 | 644.1 | 411.3 | 302.3 | 277.5 | 176.4 | 123.9 | 84.2 | 55.5 | 49.5 | 27.5 |
| 1.65V    | 1167.6 | 744.3 | 632.4 | 403.8 | 296.8 | 272.4 | 173.2 | 121.6 | 82.7 | 54.5 | 48.6 | 27.0 |
| 1.70V    | 1145.9 | 730.5 | 620.7 | 396.3 | 291.3 | 267.4 | 170.0 | 119.4 | 81.2 | 53.5 | 47.7 | 26.5 |
| 1.75V    | 1124.3 | 716.8 | 609.0 | 388.8 | 285.8 | 262.3 | 166.8 | 117.1 | 79.6 | 52.5 | 46.8 | 26.0 |
| 1.80V    | 1081.1 | 689.2 | 585.6 | 373.9 | 274.8 | 252.3 | 160.4 | 112.6 | 76.6 | 50.5 | 45.0 | 25.0 |

**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 **MCA** 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         |