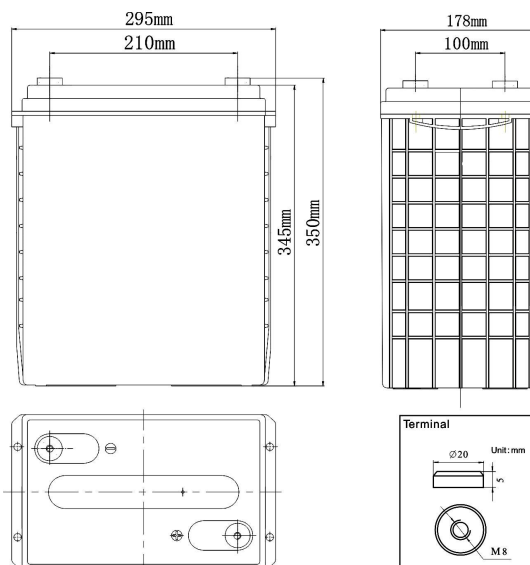


### Product Image



### Product Dimensions



### Characteristics

|                                                   |                           |                                                                 |
|---------------------------------------------------|---------------------------|-----------------------------------------------------------------|
| Nominal Voltage                                   |                           | 6V                                                              |
| Nominal Capacity (10 hour rate)                   |                           | 310Ah                                                           |
| Capacity<br>25°C (77°F)                           | 20 hour rate (17.21A)     | 344.1Ah                                                         |
|                                                   | 5 hour rate (56.73A)      | 283.7Ah                                                         |
|                                                   | 1 hour rate (206.2A)      | 206.2Ah                                                         |
| Internal Resistance                               | Full Charged Battery 25°C | ≤1.8m Ω                                                         |
| Capacity affected by<br>Temperature<br>(10 hour ) | 40°C (104°F)              | 102%                                                            |
|                                                   | 25°C (77°F)               | 100%                                                            |
|                                                   | -20°C (-4°F)              | 82%                                                             |
|                                                   | -35°C (-31°F)             | 65%                                                             |
| Self-Discharge<br>25°C (77°F)<br>Capacity         | after 3 month storage     | 90%                                                             |
|                                                   | after 6 month storage     | 80%                                                             |
|                                                   | after 12 month storage    | 62%                                                             |
| Charge<br>(Constant<br>Voltage)<br>25°C<br>(77°F) | Float                     | Initial Charging Current Less than<br>77.5A<br>Voltage 6.8-6.9V |
|                                                   | Cycle                     | Initial Charging Current Less than 77.5A<br>Voltage 7.2-7.45V   |

### Packaging

|                       |              |              |
|-----------------------|--------------|--------------|
| Battery<br>Dimensions | Length       | 295mm        |
|                       | Width        | 178mm        |
|                       | Height       | 345mm        |
|                       | Total Height | 350mm        |
| Box<br>Dimensions     | Length       | 410mm        |
|                       | Width        | 194mm        |
|                       | Height       | 410mm        |
| Quantity Per Box      |              | 1 PC per box |
| Net weight Per Cell   |              | 47.0 kg±500g |
| Net weight Per Box    |              | 47.0kg       |
| Gross Weight          |              | 47.7kg       |

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

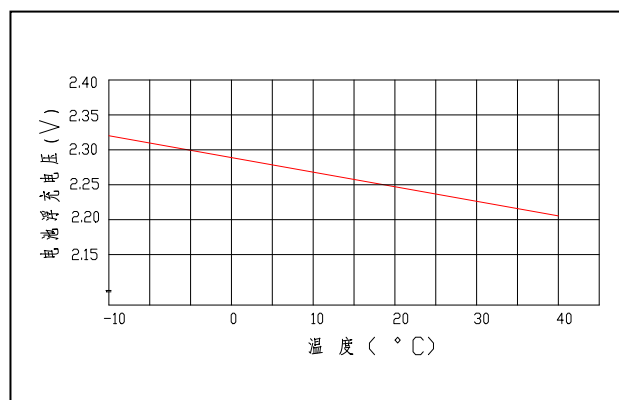
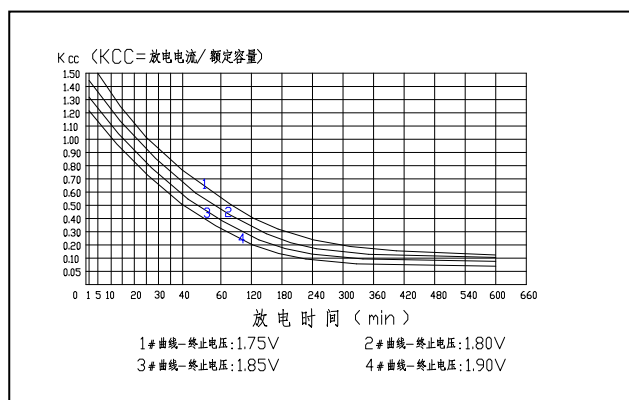
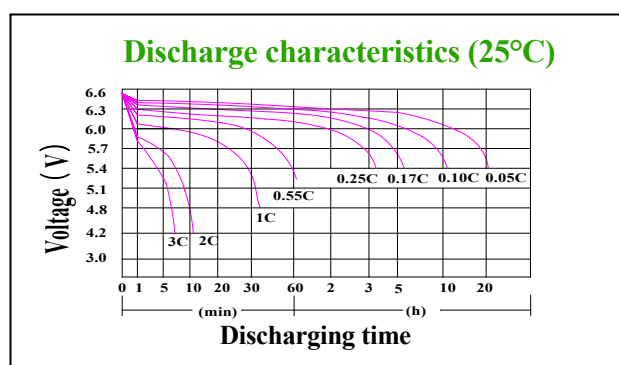
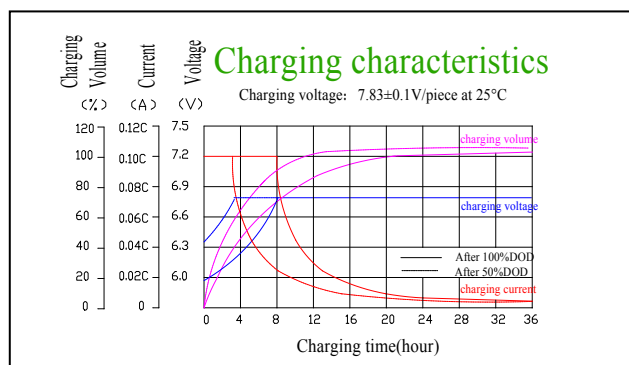
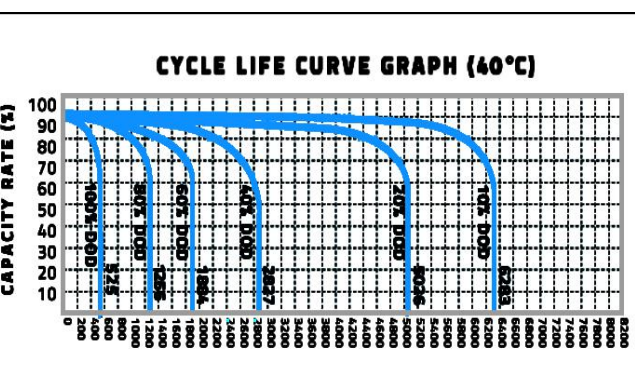
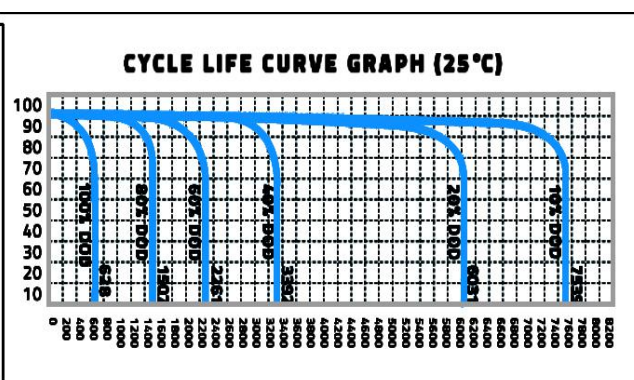
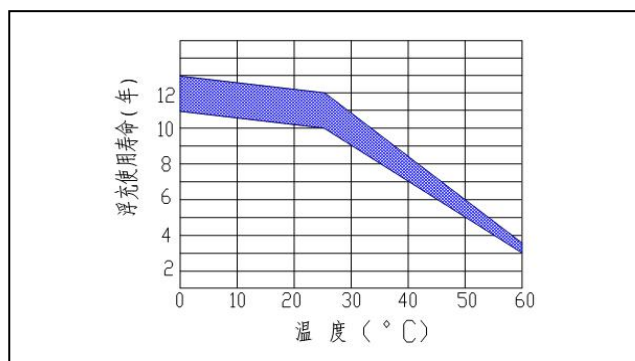
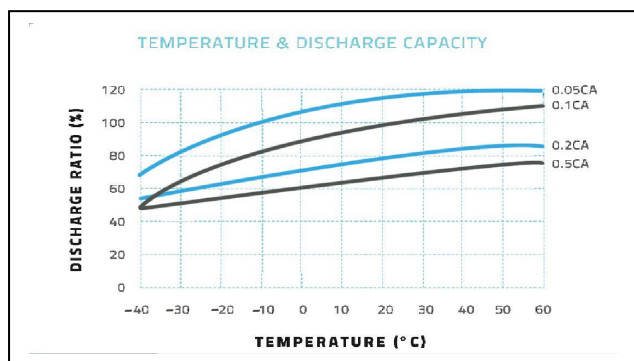
| F.V/Time | 5min   | 10min | 15min | 30min | 45min | 1h    | 2h    | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|--------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1.60V    | 1042.4 | 694.4 | 523.3 | 325.7 | 233.7 | 206.2 | 125.7 | 91.8 | 59.1 | 36.0 | 32.2 | 17.9 |
| 1.65V    | 961.0  | 640.2 | 501.6 | 317.0 | 227.5 | 200.7 | 123.4 | 90.3 | 58.3 | 35.8 | 31.9 | 17.7 |
| 1.70V    | 977.3  | 651.0 | 479.7 | 308.3 | 221.1 | 195.1 | 121.1 | 88.5 | 57.5 | 35.5 | 31.6 | 17.6 |
| 1.75V    | 863.2  | 575.1 | 458.0 | 299.5 | 214.9 | 189.7 | 118.2 | 86.4 | 56.6 | 35.1 | 31.3 | 17.4 |
| 1.80V    | 814.3  | 542.5 | 436.1 | 290.8 | 208.7 | 184.1 | 115.3 | 84.3 | 55.8 | 34.7 | 31.0 | 17.2 |

### 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    | 1944.1 | 1295.0 | 976.1 | 607.4 | 435.7 | 384.6 | 234.4 | 171.5 | 110.2 | 67.4 | 60.1 | 33.3 |
| 1.65V    | 1792.2 | 1193.9 | 935.4 | 591.1 | 424.1 | 374.3 | 230.2 | 168.2 | 108.7 | 66.7 | 59.5 | 33.1 |
| 1.70V    | 1822.6 | 1214.0 | 894.7 | 574.9 | 412.5 | 364.1 | 225.9 | 165.1 | 107.1 | 66.1 | 58.9 | 32.7 |
| 1.75V    | 1609.9 | 1072.4 | 854.1 | 558.6 | 400.7 | 353.8 | 220.5 | 161.2 | 105.6 | 65.5 | 58.3 | 32.4 |
| 1.80V    | 1518.8 | 1011.8 | 813.4 | 542.3 | 389.1 | 343.3 | 215.1 | 157.3 | 104.0 | 64.7 | 57.7 | 32.2 |

**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 **US** 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 | Lead        |

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