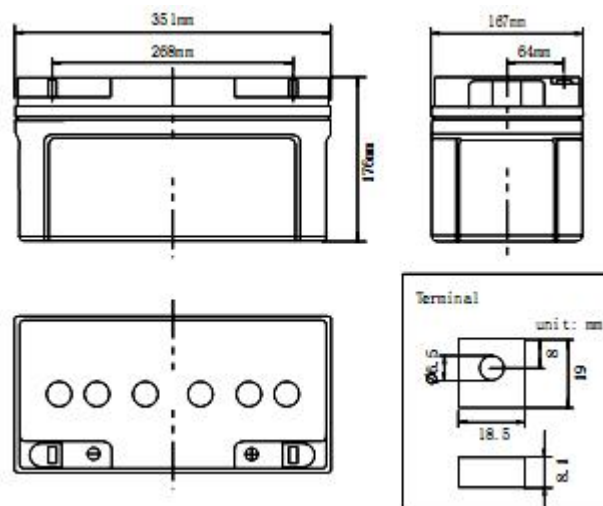


### Product Image



### Product Dimensions



### Characteristics

|                                                   |                           |                                                                |
|---------------------------------------------------|---------------------------|----------------------------------------------------------------|
| Nominal Voltage                                   |                           | 12V                                                            |
| Nominal Capacity (10 hour rate)                   |                           | 65Ah                                                           |
| Capacity<br>25°C (77°F)                           | 20 hour rate (3.61A)      | 72.2Ah                                                         |
|                                                   | 5 hour rate (11.9A)       | 59.5Ah                                                         |
|                                                   | 1 hour rate (43.2A)       | 43.2Ah                                                         |
| Internal Resistance                               | Full Charged Battery 25°C | ≤7.0m 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 16.3A<br>Voltage 13.6-13.8V |
|                                                   | Cycle                     | Initial Charging Current Less than 16.3A<br>Voltage 14.4-14.9V |

### Packaging

|                       |                 |              |
|-----------------------|-----------------|--------------|
| Battery<br>Dimensions | Length          | 351mm        |
|                       | Width           | 167mm        |
|                       | Height          | 176mm        |
|                       | Total<br>Height | 176mm        |
| Box<br>Dimensions     | Length          | 365mm        |
|                       | Width           | 181mm        |
|                       | Height          | 224mm        |
| Quantity Per Box      |                 | 1 PC per box |
| Net weight Per Cell   |                 | 20.5 kg±200g |
| Net weight Per Box    |                 | 20.5kg       |
| Gross Weight          |                 | 21.0kg       |

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

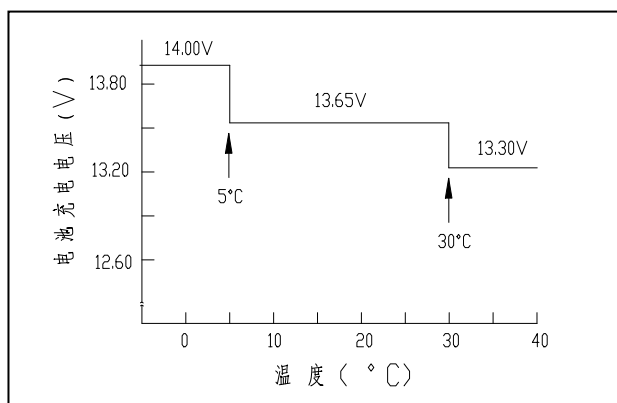
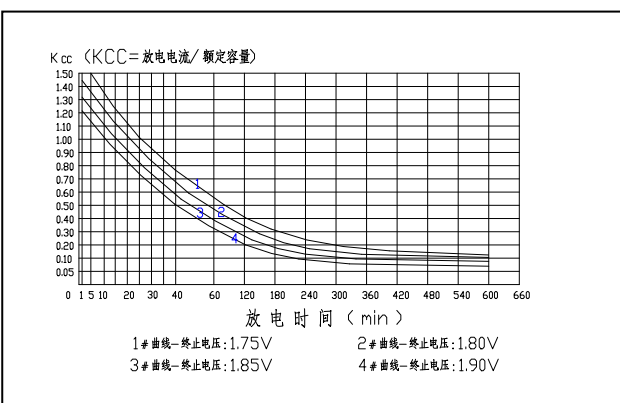
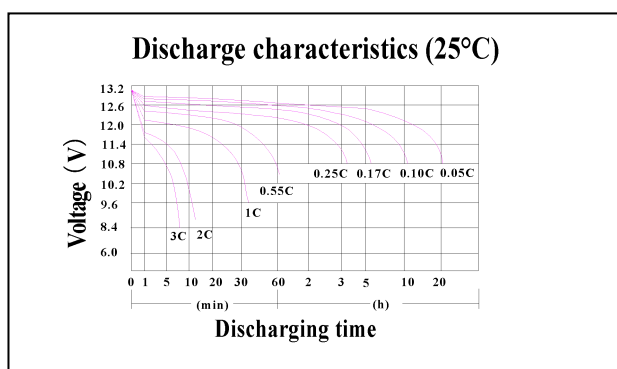
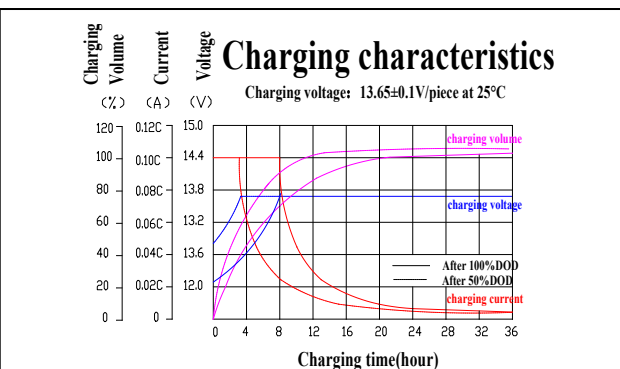
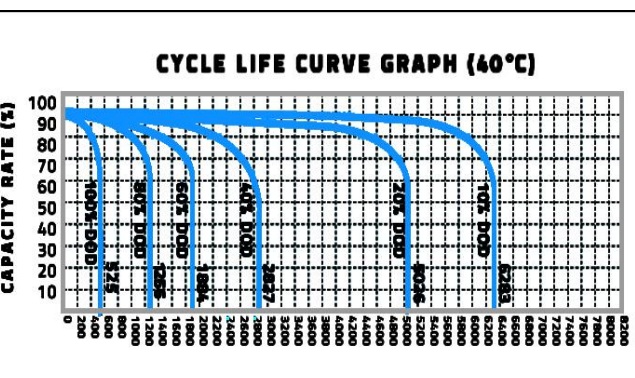
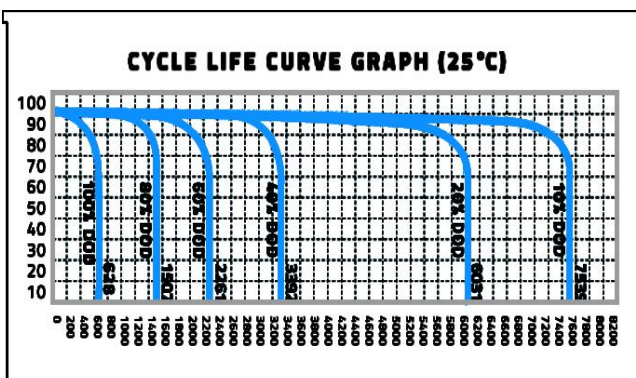
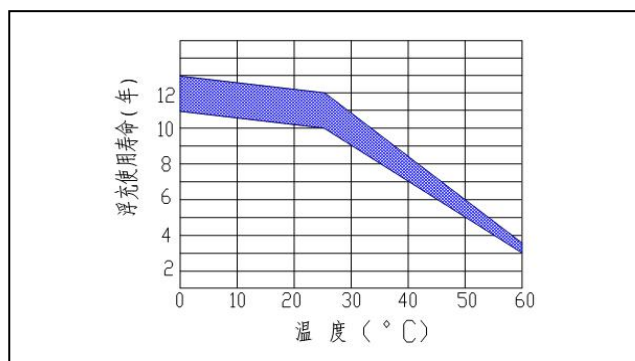
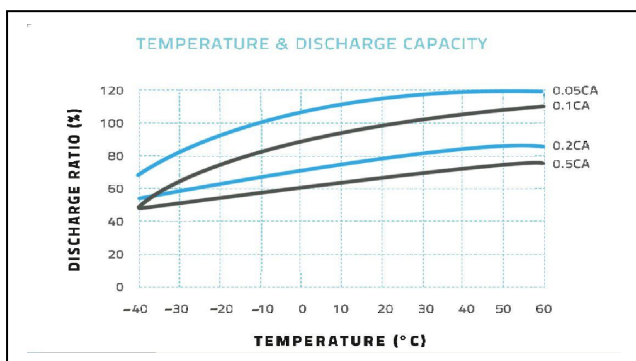
| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h   | 8h  | 10h  | 20h  |
|----------|-------|-------|-------|-------|-------|------|------|------|------|-----|------|------|
| 1.60V    | 218.6 | 145.6 | 109.7 | 68.3  | 49.0  | 43.2 | 26.4 | 19.3 | 12.4 | 7.6 | 6.76 | 3.75 |
| 1.65V    | 201.5 | 134.2 | 105.2 | 66.5  | 47.7  | 42.1 | 25.9 | 18.9 | 12.2 | 7.5 | 6.70 | 3.72 |
| 1.70V    | 204.9 | 136.5 | 100.6 | 64.6  | 46.4  | 40.9 | 25.4 | 18.6 | 12.1 | 7.4 | 6.63 | 3.68 |
| 1.75V    | 181.0 | 120.6 | 96.0  | 62.8  | 45.1  | 39.8 | 24.8 | 18.1 | 11.9 | 7.4 | 6.57 | 3.64 |
| 1.80V    | 170.8 | 113.8 | 91.5  | 61.0  | 43.7  | 38.6 | 24.2 | 17.7 | 11.7 | 7.3 | 6.50 | 3.61 |

### 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    | 407.6 | 271.5 | 204.7 | 127.4 | 91.4  | 80.6 | 49.2 | 35.9 | 23.1 | 14.1 | 12.6 | 7.0 |
| 1.65V    | 375.8 | 250.3 | 196.1 | 123.9 | 88.9  | 78.5 | 48.3 | 35.3 | 22.8 | 14.0 | 12.5 | 6.9 |
| 1.70V    | 382.1 | 254.6 | 187.6 | 120.5 | 86.5  | 76.3 | 47.4 | 34.6 | 22.5 | 13.8 | 12.4 | 6.9 |
| 1.75V    | 337.6 | 224.9 | 179.1 | 117.1 | 84.0  | 74.2 | 46.2 | 33.8 | 22.1 | 13.7 | 12.2 | 6.8 |
| 1.80V    | 318.5 | 212.1 | 170.6 | 113.7 | 81.6  | 72.0 | 45.1 | 33.0 | 21.8 | 13.6 | 12.1 | 6.7 |

**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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