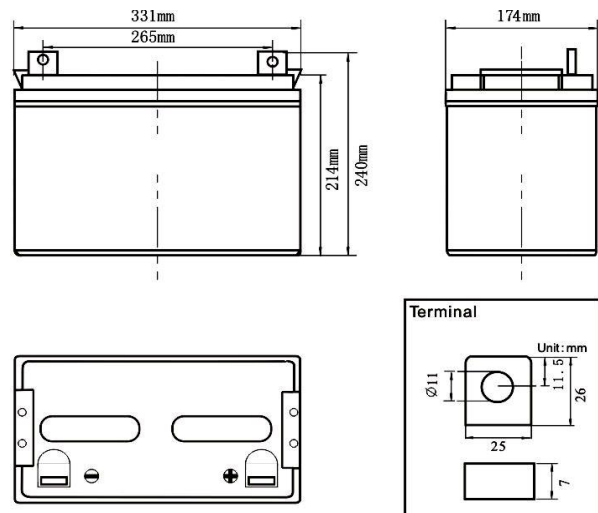


### Product Image



### Product Dimensions



### Characteristics

|                                                   |                           |                                                                |
|---------------------------------------------------|---------------------------|----------------------------------------------------------------|
| Nominal Voltage                                   |                           | 12V                                                            |
| Nominal Capacity (10 hour rate)                   |                           | 134Ah                                                          |
| Capacity<br>25°C (77°F)                           | 20 hour rate (6.66A)      | 148.8Ah                                                        |
|                                                   | 5 hour rate (22.0A)       | 120.6Ah                                                        |
|                                                   | 1 hour rate (79.8A)       | 79.56Ah                                                        |
| Internal Resistance                               | Full Charged Battery 25°C | ≤5.0m 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 33.5A<br>Voltage 13.6-13.8V |
|                                                   | Cycle                     | Initial Charging Current Less than 33.5A<br>Voltage 14.4-14.9V |

### Packaging

|                       |              |              |
|-----------------------|--------------|--------------|
| Battery<br>Dimensions | Length       | 341mm        |
|                       | Width        | 173mm        |
|                       | Height       | 281mm        |
|                       | Total Height | 288mm        |
| Box<br>Dimensions     | Length       | 346mm        |
|                       | Width        | 188mm        |
|                       | Height       | 289mm        |
| Quantity Per Box      |              | 1 PC per box |
| Net weight Per Cell   |              | 34.0kg±400g  |
| Net weight Per Box    |              | 34.0kg       |
| Gross Weight          |              | 34.5kg       |

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

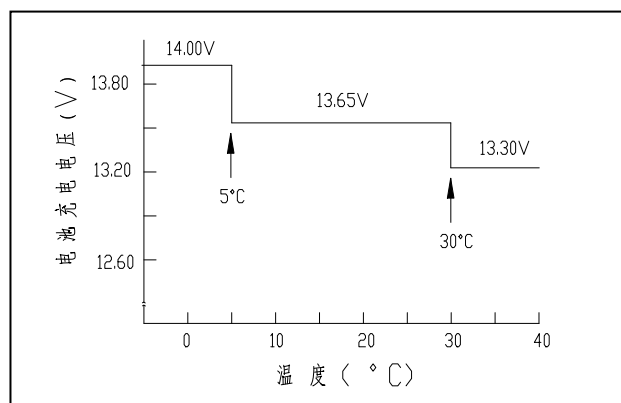
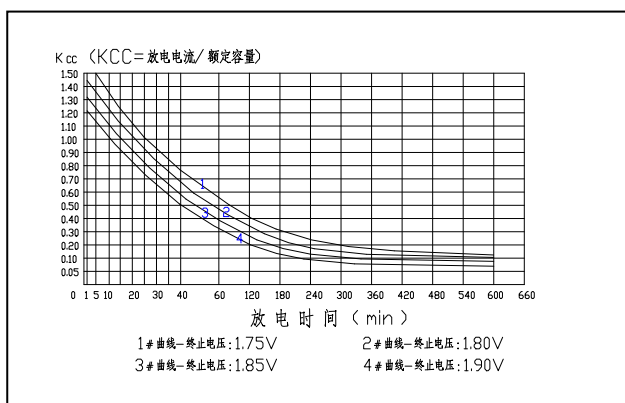
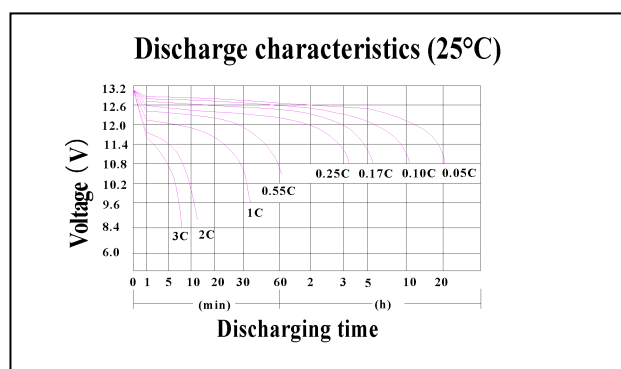
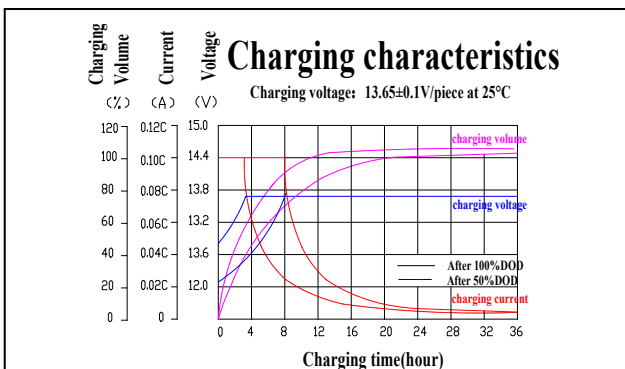
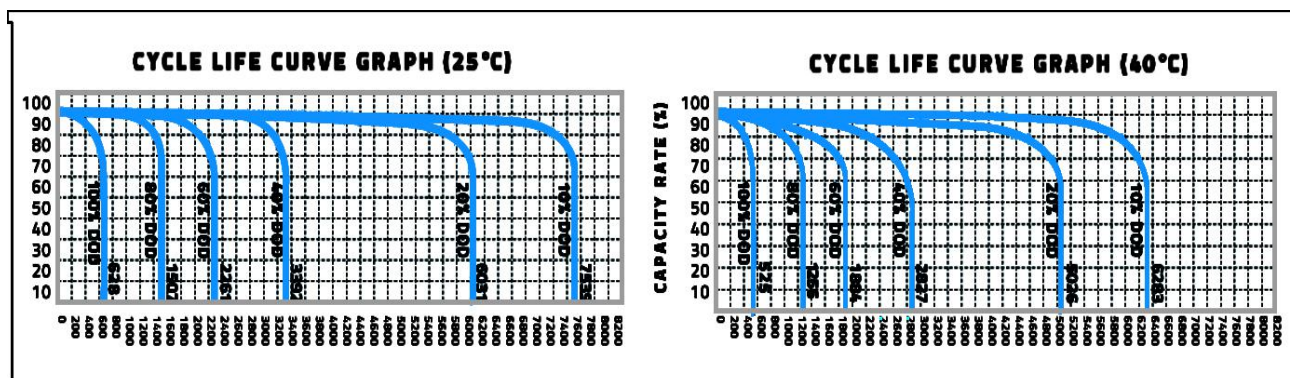
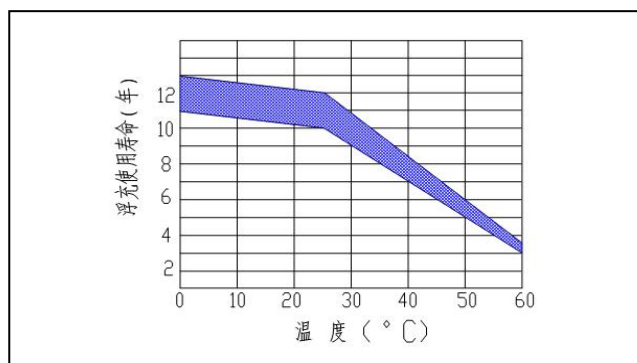
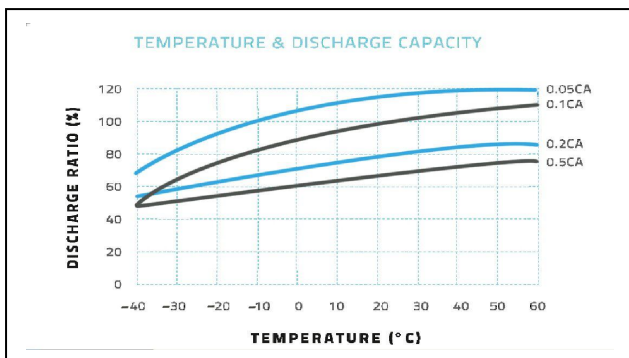
| F.V/Time | 5min   | 10min  | 15min  | 30min  | 45min  | 1h    | 2h    | 3h    | 5h    | 8h    | 10h   | 20h  |
|----------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|
| 1.60V    | 450.58 | 300.16 | 226.21 | 140.78 | 101.00 | 89.11 | 54.35 | 39.70 | 25.54 | 15.58 | 13.94 | 7.74 |
| 1.65V    | 415.40 | 276.71 | 216.83 | 137.02 | 98.32  | 86.77 | 53.35 | 39.03 | 25.21 | 15.49 | 13.80 | 7.66 |
| 1.70V    | 422.44 | 281.40 | 207.37 | 133.25 | 95.56  | 84.34 | 52.34 | 38.27 | 24.87 | 15.33 | 13.67 | 7.59 |
| 1.75V    | 373.11 | 248.57 | 197.99 | 129.48 | 92.88  | 81.99 | 51.09 | 37.35 | 24.46 | 15.16 | 13.53 | 7.51 |
| 1.80V    | 352.00 | 234.50 | 188.52 | 125.71 | 90.20  | 79.56 | 49.83 | 36.43 | 24.12 | 14.99 | 13.40 | 7.44 |

### 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    | 840.35 | 559.79 | 421.93 | 262.56 | 188.35 | 166.24 | 101.34 | 74.12 | 47.65 | 29.15 | 25.96 | 14.41 |
| 1.65V    | 774.69 | 516.07 | 404.35 | 255.52 | 183.33 | 161.81 | 99.50  | 72.70 | 46.98 | 28.81 | 25.71 | 14.32 |
| 1.70V    | 787.84 | 524.78 | 386.76 | 248.49 | 178.30 | 157.37 | 97.65  | 71.36 | 46.31 | 28.56 | 25.46 | 14.15 |
| 1.75V    | 695.88 | 463.56 | 369.17 | 241.45 | 173.20 | 152.93 | 95.31  | 69.68 | 45.64 | 28.31 | 25.21 | 13.99 |
| 1.80V    | 656.52 | 437.34 | 351.58 | 234.42 | 168.17 | 148.41 | 92.96  | 68.01 | 44.97 | 27.97 | 24.96 | 13.90 |

**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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