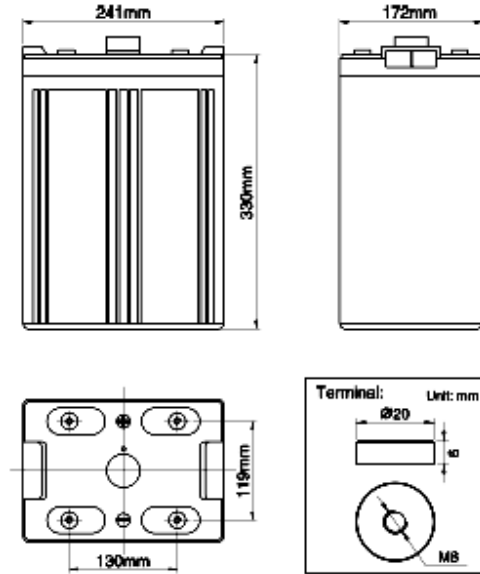


**Product Image**



**Product Dimensions**



**Characteristics**

|  |                           |  |
|--|---------------------------|--|
| Nominal Voltage                                    |                           | 2V   |
| Nominal Capacity (10 hour rate)                    |                           | 600Ah  |
| Capacity<br>25°C (77 °F)                           | 20 hour rate (31.8A)      | 636Ah  |
|  | 5 hour rate (106A)        | 529.8Ah  |
|  | 1 hour rate (330A)        | 330Ah  |
| Internal Resistance                                | Full Charged Battery 25°C | ≤0.31mΩ  |
| 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 75A<br>Voltage 2.23-2.27V |
|  | Cycle                     | Initial Charging Current Less than 75A<br>Voltage 2.33-2.37V |

**Packaging**

|                       |                 |              |
|-----------------------|-----------------|--------------|
| Battery<br>Dimensions | Length          | 241mm        |
|                       | Width           | 172mm        |
|                       | Height          | 330mm        |
|                       | Total<br>Height | 366mm        |
| Box<br>Dimensions     | Length          | 256mm        |
|                       | Width           | 186mm        |
|                       | Height          | 423mm        |
| Quantity Per Box      |                 | 1 PC per box |
| Net weight Per Cell   |                 | 38kg±500g    |
| Net weight Per Box    |                 | 38kg         |
| Gross Weight          |                 | 38.4kg       |

**Discharge Constant Current (Amperes at 77°F/25°C)**

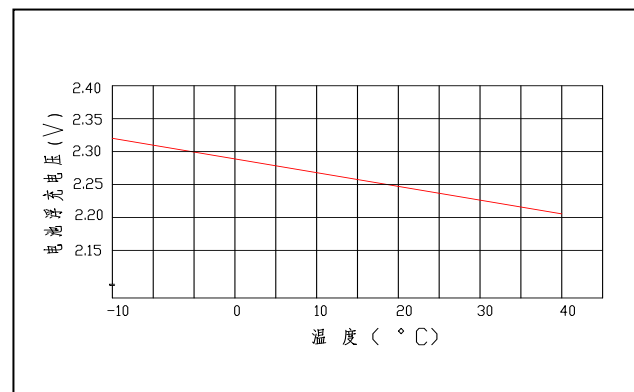
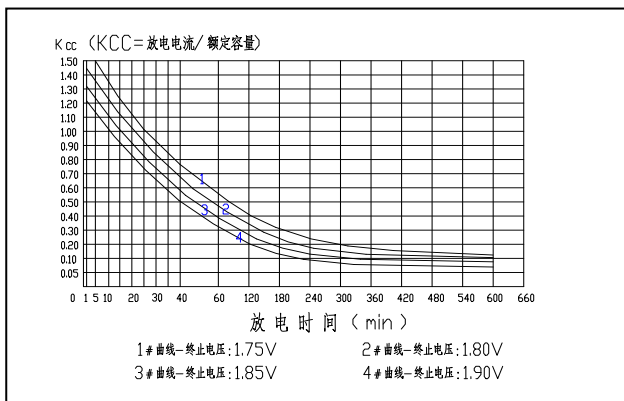
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h  | 2h  | 3h  | 5h | 8h | 10h  | 20h  |
|----------|------|-------|-------|-------|-------|-----|-----|-----|----|----|------|------|
| 1.60V    | 1397 | 902   | 748   | 495   | 369   | 303 | 193 | 138 | 94 | 62 | 55.0 | 29.2 |
| 1.65V    | 1372 | 886   | 734   | 486   | 362   | 297 | 189 | 135 | 92 | 60 | 54.0 | 28.6 |
| 1.70V    | 1346 | 869   | 721   | 477   | 355   | 292 | 186 | 133 | 90 | 59 | 53.0 | 28.1 |
| 1.75V    | 1321 | 853   | 707   | 468   | 348   | 286 | 182 | 130 | 88 | 58 | 52.0 | 27.6 |
| 1.80V    | 1270 | 820   | 680   | 450   | 335   | 275 | 175 | 125 | 85 | 56 | 50.0 | 26.5 |

**Discharge Constant Power (Watts at 77°F 25°C)**

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h  | 2h  | 3h  | 5h  | 8h  | 10h   | 20h  |
|----------|------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-------|------|
| 1.60V    | 2689 | 1736  | 1440  | 953   | 709   | 582 | 371 | 265 | 180 | 119 | 105.9 | 56.1 |
| 1.65V    | 2640 | 1705  | 1414  | 936   | 696   | 572 | 364 | 260 | 177 | 116 | 104.0 | 55.1 |
| 1.70V    | 2591 | 1673  | 1388  | 918   | 684   | 561 | 357 | 255 | 173 | 114 | 102.0 | 54.1 |
| 1.75V    | 2543 | 1642  | 1361  | 901   | 671   | 551 | 350 | 250 | 170 | 112 | 100.1 | 53.1 |
| 1.80V    | 2445 | 1579  | 1309  | 866   | 645   | 529 | 337 | 241 | 164 | 108 | 96.3  | 51.0 |

**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 **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 | Silicon     |