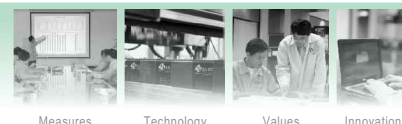




## VRLA Rechargeable Battery

# BP33-6



Measures

Technology

Values

Innovation

### FEATURES

- Maintenance free(no water topping-up required).
- No free acid(Non-spillable battery).
- Low self-discharge rate, lower than 3% capacity loss per month.
- Can be used in any orientation(excluding used inverted).
- Absorbent Glass Mat technology for efficient gas recombination.

### APPLICATION

- UPS
- Lighting



### SPECIFICATIONS

|                             |                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------|
| Nominal Voltage             | 6 V                                                                                                     |
| Nominal Capacity            | 33Ah @ 20 hour rate F.V.(1.75V/cell)                                                                    |
| Approx. Weight              | 6000g(13.23lbs.)                                                                                        |
| Terminals                   | B1 (Fitting M5 bolt & nut) T2 is optional                                                               |
| Internal Resistance         | $\leq 4.5\text{m}\Omega$ (Fully Charged )                                                               |
| Max. Discharge Current      | 255 A (5 sec.)                                                                                          |
| Max. Charge Current         | 9.9 A                                                                                                   |
| Operating Temperature Range | Charge : 0°C~40°C(32°F~104°F)<br>Discharge : -20°C~50°C(-4°F~122°F)<br>Storage : -20°C~40°C(-4°F~104°F) |
| Container Material          | Standard: ABS( UL 94-HB) BP33-6<br>Optional: Flame Retardant ABS(UL 94-V0) BP33-6FR                     |



- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

#### Length

181±1.5 (7.13±0.06)

#### Width

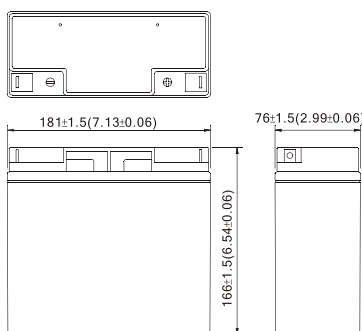
76±1.5 (2.99±0.06)

#### Container Height

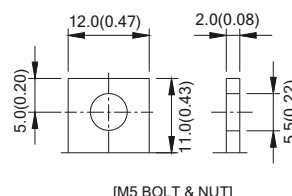
166±1.5 (6.54±0.06)

#### Total Height

166±1.5 (6.54±0.06)

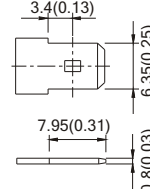


#### Terminal B1



[M5 BOLT &amp; NUT]

#### Terminal T2



Terminal Hardware Initial Torque: B1 (2.5Nm±5%)

### Constant power discharge characteristics at 25 °C/77 °F

Unit: W

| Discharge Time<br>F.V.<br>(V/cell) | 5 Min | 10 Min | 15 Min | 30 Min | 1 Hr  | 3 Hr | 5 Hr  | 10 Hr | 20 Hr |
|------------------------------------|-------|--------|--------|--------|-------|------|-------|-------|-------|
| 1.80V                              | 596.6 | 439.2  | 351.9  | 209.4  | 120.1 | 48.1 | 33.16 | 18.53 | 9.75  |
| 1.75V                              | 690.5 | 475.8  | 368.1  | 217.3  | 123.7 | 49.1 | 33.66 | 18.81 | 9.90  |
| 1.70V                              | 733.6 | 492.9  | 379.5  | 222.3  | 125.9 | 49.5 | 33.84 | 18.90 | 9.95  |
| 1.65V                              | 766.6 | 504.7  | 388.2  | 225.4  | 127.4 | 49.8 | 33.96 | 18.96 | 9.98  |
| 1.60V                              | 792.0 | 514.8  | 396.0  | 227.7  | 128.7 | 50.1 | 34.06 | 18.96 | 9.98  |

### Constant current discharge characteristics at 25 °C/77 °F

Unit: A

| Discharge Time<br>F.V.<br>(V/cell) | 5 Min | 10 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr  | 10 Hr | 20 Hr |
|------------------------------------|-------|--------|--------|--------|------|------|-------|-------|-------|
| 1.80V                              | 107.5 | 77.3   | 61.2   | 35.5   | 20.2 | 8.02 | 5.527 | 3.089 | 1.625 |
| 1.75V                              | 126.7 | 83.8   | 64.0   | 36.8   | 20.8 | 8.18 | 5.610 | 3.135 | 1.650 |
| 1.70V                              | 134.6 | 86.8   | 66.0   | 37.7   | 21.2 | 8.25 | 5.641 | 3.151 | 1.658 |
| 1.65V                              | 140.7 | 88.9   | 67.5   | 38.2   | 21.4 | 8.31 | 5.660 | 3.160 | 1.663 |
| 1.60V                              | 145.3 | 90.6   | 68.9   | 38.6   | 21.6 | 8.36 | 5.677 | 3.160 | 1.663 |

All data artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.