



# VRLA Rechargeable Battery

## BP33-6



### FEATURES

- Maintenance Free ( topping up not needed )
- Non - spillable ( no free electrolyte )
- Low Self Discharge, less than 3% per month
- both Vertical & Horizontal installations

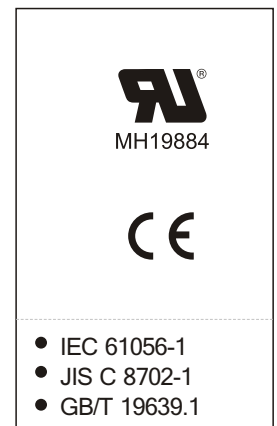
### APPLICATIONS

- UPS
- Telecom Systems
- Switch Boards
- Security Systems
- Medical Systems
- Photovoltaic Systems
- Emergency Lighting
- Golf Carts



### 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	≤4.5mΩ (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) Discharge : -20°C~50°C(-4°F~122°F) Storage : -20°C~40°C(-4°F~104°F)
Container Material	Standard: ABS (UL94 HB) BP33-6 Optional: Flame Retardant ABS(UL94 V-0) BP33-6FR



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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> <li>■ Length 181±1.5 (7.13±0.06)</li> <li>■ Width 76±1.5 (2.99±0.06)</li> <li>■ Container Height 166±1.5 (6.54±0.06)</li> <li>■ Total Height 166±1.5 (6.54±0.06)</li> </ul>		<ul style="list-style-type: none"> <li>● Terminal B1  </li> <li>● Terminal T2  </li> </ul> <p>[M5 BOLT &amp; NUT]</p> <p>Terminal Hardware Initial Torque: B1 (2.5Nm±5%)</p>

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

Discharge Time F.V.	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
5.40V	596.6	439.2	351.9	209.4	120.1	48.1	33.16	18.53	9.75
5.25V	690.5	475.8	368.1	217.3	123.7	49.1	33.66	18.81	9.90
5.10V	733.6	492.9	379.5	222.3	125.9	49.5	33.84	18.90	9.95
4.95V	766.6	504.7	388.2	225.4	127.4	49.8	33.96	18.96	9.98
4.80V	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 F.V.	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
5.40V	107.5	77.3	61.2	35.5	20.2	8.02	5.527	3.089	1.625
5.25V	126.7	83.8	64.0	36.8	20.8	8.18	5.610	3.135	1.650
5.10V	134.6	86.8	66.0	37.7	21.2	8.25	5.641	3.151	1.658
4.95V	140.7	88.9	67.5	38.2	21.4	8.31	5.660	3.160	1.663
4.80V	145.3	90.6	68.9	38.6	21.6	8.36	5.677	3.160	1.663

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

For operation, please refer to the instruction from technical manual.

B/2 REV. Apr. 2019

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