



**THE DATASHEET OF
BP33-6-B1**





VRLA Rechargeable Battery

BP33-6



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	≤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(UL 94-HB) BP33-6 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)		Terminal B1
Width 76±1.5 (2.99±0.06)		Terminal T2
Container Height 166±1.5 (6.54±0.06)		[M5 BOLT & NUT]
Total Height 166±1.5 (6.54±0.06)		Terminal Hardware Initial Torque: B1 (2.5Nm±5%)

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

Discharge Time / F.V. (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 / F.V. (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.

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