



VRLA Rechargeable Battery

BP180-6



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).
- Flame-arrestor is installed to ensure safety.
- Absorbent Glass Mat technology for efficient gas recombination.

APPLICATION

- UPS
- Telecom



SPECIFICATIONS

Nominal Voltage	6 V
Nominal Capacity	180Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	28.8Kg(63.5lbs.)
Terminals	B9 (Fitting M8 bolt & nut) I3 is optional
Internal Resistance	≤2.5mΩ (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	54 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) BP180-6 Optional: Flame Retardant ABS(UL 94-V0) BP180-6FR

- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.2

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
Length 260±2.0 (10.24±0.08)		Terminal B9
Width 171±2.0 (6.73±0.08)		Terminal I3
Container Height 220±2.0 (8.66±0.08)		[M8 BOLT & NUT]
Total Height 244±2.0 (9.61±0.08)		[M8 BOLT]

Terminal Hardware Initial Torque: B9,I3(10.0Nm±5%)

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

F.V. (V/cell) \ Discharge Time	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	1732	1165	655.1	262.3	180.9	101.1	53.33
1.75V	1812	1209	674.6	267.6	183.6	102.6	54.00
1.70V	1868	1237	686.8	270.0	184.6	103.1	54.27
1.65V	1911	1254	695.1	271.9	185.3	103.4	54.41
1.60V	1949	1267	702.0	273.5	185.8	103.4	54.41

Constant current discharge characteristics at 25 °C/77 °F Unit: A

F.V. (V/cell) \ Discharge Time	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	301.2	197.4	110.1	43.71	30.15	16.84	8.89
1.75V	315.1	204.9	113.4	44.59	30.60	17.10	9.00
1.70V	324.8	209.6	115.4	45.00	30.77	17.19	9.05
1.65V	332.3	212.5	116.8	45.32	30.88	17.23	9.07
1.60V	339.0	214.7	118.0	45.58	30.96	17.23	9.07

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