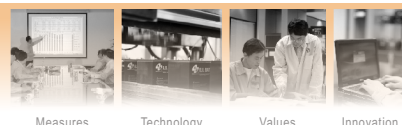




VRLA Rechargeable Battery

BPL170-6



Measures

Technology

Values

Innovation

FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Low self-discharge rate
- Can be used in any orientation(excluding used inverted)
- Filtered with explosion proof filter
- Flame-arrestor is installed to ensure safety
- Absorbent Glass Mat technology for efficient gas recombination

APPLICATIONS

- UPS
- Telecom



SPECIFICATIONS

Nominal Voltage	6 V
Nominal Capacity	170.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	29.2Kg(64.4lbs.)
Terminals	B9 (Fitting M8 bolt & nut) I3 is optional
Internal Resistance	$\leq 2.5m\Omega$ (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	51 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) BPL170-6 Optional: Flame Retardant ABS(UL94 V-0) BPL170-6FR

UL
MH19884

CE
C4M20310-2474-E-16

- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.1

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

260±2.0 (10.24±0.08)

Width

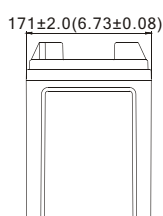
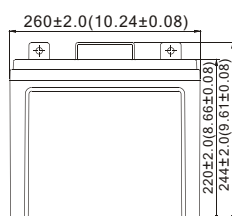
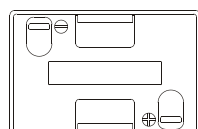
171±2.0 (6.73±0.08)

Container Height

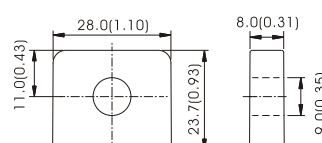
220±2.0 (8.66±0.08)

Total Height

244±2.0 (9.61±0.08)

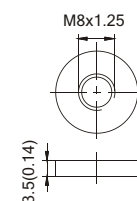


● Terminal B9



[M8 BOLT & NUT]

● Terminal I3



[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		1636	1100	618.7	247.7	170.9	95.4	50.36
1.75V		1711	1142	637.1	252.7	173.4	96.9	51.00
1.70V		1764	1168	648.7	255.0	174.4	97.4	51.26
1.65V		1805	1184	656.4	256.8	175.0	97.6	51.38
1.60V		1841	1196	663.0	258.3	175.5	97.6	51.38

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		284.5	186.4	104.0	41.28	28.48	15.91	8.39
1.75V		297.6	193.5	107.1	42.12	28.90	16.15	8.50
1.70V		306.8	198.0	109.0	42.50	29.06	16.23	8.54
1.65V		313.9	200.7	110.3	42.80	29.16	16.27	8.56
1.60V		320.1	202.8	111.4	43.05	29.24	16.27	8.56

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/O REV. May. 2025

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