



VRLA Rechargeable Battery

BPL85-12 (BPL85-12FR)



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).
- Filtered with explosion proof filter.
- Flame-arrestor is installed to ensure safety.
- Carry handles for easy installation.

APPLICATION

- UPS
- Telecom
- Golf-carts



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	85.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	31.2Kg(68.8lbs.)
Terminals	B3 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≤5.0mΩ (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	25.5 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	ABS(UL94-HB, UL94-V0 is optional)

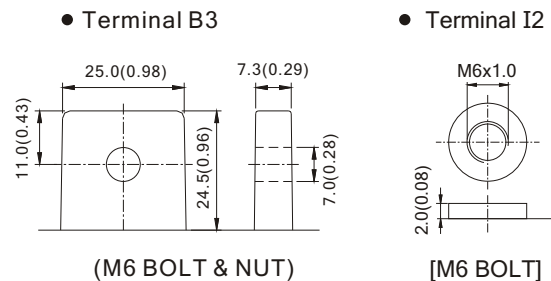
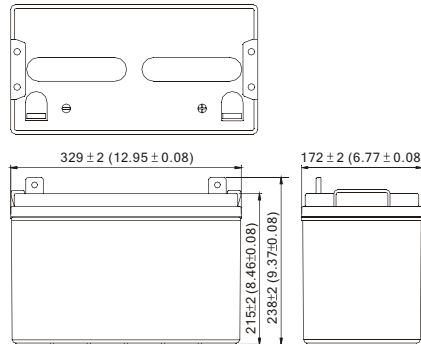
ISO 9001	
ISO14001	
UL	
CE	
<ul style="list-style-type: none"> ● IEC60896 ● JIS C 8704 ● GB/T 19638 	

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
329±2.0 (12.95±0.08)
- **Width**
172±2.0 (6.77±0.08)
- **Container Height**
215±2.0 (8.46±0.08)
- **Total Height**
B3:238±2.0 (9.37±0.08)
I2:220±2.0 (8.66±0.08)



Terminal Hardware Initial Torque: B3/I2 (5.5Nm±5%)

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

F.V. (V/cell) \ Discharge Time	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	2000	1586	1074	585.8	246.6	170.9	95.24	49.84
1.75V	2161	1683	1115	604.0	251.8	173.5	96.67	51.00
1.70V	2291	1761	1139	614.5	254.4	174.2	97.19	51.14
1.65V	2367	1802	1156	622.3	255.7	174.8	97.45	51.27
1.60V	2434	1839	1167	628.8	257.0	174.8	97.45	51.27

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

F.V. (V/cell) \ Discharge Time	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	182	143	95.1	49.2	20.5	14.2	7.94	4.15
1.75V	199	153	98.6	50.8	21.0	14.5	8.06	4.25
1.70V	211	160	100.8	51.6	21.2	14.5	8.10	4.26
1.65V	218	164	102.3	52.3	21.3	14.6	8.12	4.27
1.60V	224	167	103.3	52.8	21.4	14.6	8.12	4.27

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