

## VRLA Rechargeable Battery

# BP160-12 (BP160-12FR)



### 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).
- Flame-arrestor is installed to ensure safety.
- Carry handles for easy installation.
- Absorbent Glass Mat technology for efficient gas recombination.

### APPLICATION

- UPS
- Telecom



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	160Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	51.2Kg(112.9lbs.)
Terminals	B9 (Fitting M8 bolt & nut) I3 is optional
Internal Resistance	≤2.7mΩ (Fully Charged )
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	48 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	 MH19884
CE	 C4M20310-2474-E-16
<ul style="list-style-type: none"> <li>● IEC 60896-21/22</li> <li>● JIS C 8704-2</li> <li>● GB/T 19638.2</li> </ul>	

### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

#### Length

483±2.0 (19.02±0.08)

#### Width

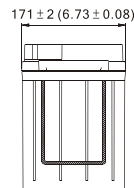
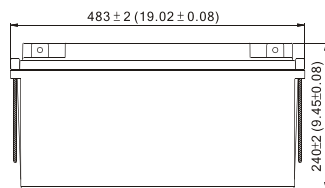
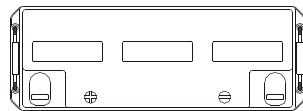
171±2.0 (6.73±0.08)

#### Container Height

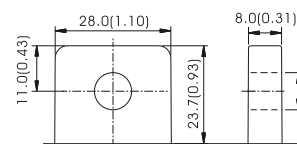
240±2.0 (9.45±0.08)

#### Total Height

240±2.0 (9.45±0.08)

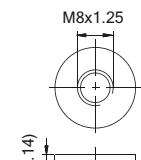


#### Terminal B9



[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	2933	2030	1165	466.3	321.6	180.0	94.8
1.75V	3068	2107	1199	475.7	326.4	182.4	96.0
1.70V	3163	2155	1221	480.0	328.2	183.3	96.5
1.65V	3235	2185	1236	483.4	329.4	183.8	96.7
1.60V	3300	2208	1248	486.2	330.3	183.8	96.7

### 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	255.0	172.0	97.9	38.86	26.80	15.00	7.90
1.75V	266.8	178.6	100.8	39.64	27.20	15.20	8.00
1.70V	275.0	182.7	102.6	40.00	27.35	15.28	8.04
1.65V	281.3	185.2	103.8	40.28	27.45	15.32	8.06
1.60V	287.0	187.1	104.9	40.52	27.52	15.32	8.06

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