



# VRLA Rechargeable Battery

# BP160-12



## FEATURES

- Maintenance Free (topping up not needed)
- Non-spillable (no free electrolyte)
- Low Self Discharge, less than 3% per month
- both Vertical & Horizontal installations
- integrated Flame Arrestor at each cell
- Carry Handles for easy installation

## APPLICATIONS

- UPS
- Telecom Systems
- Switch Boards
- Photovoltaic Systems



## APPLICATIONS

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	Standard: ABS (UL94 HB) BP160-12 Optional: Flame Retardant ABS(UL94 V-0) BP160-12FR

**RU**<sup>®</sup>  
MH19884

**CE**

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> <li>■ Length 483±2.0 (19.02±0.08)</li> <li>■ Width 171±2.0 (6.73±0.08)</li> <li>■ Container Height 240±2.0 (9.45±0.08)</li> <li>■ Total Height 240±2.0 (9.45±0.08)</li> </ul>		<ul style="list-style-type: none"> <li>● Terminal B9</li> <li>● Terminal I3</li> </ul> <p>[M8 BOLT &amp; NUT]      [M8 BOLT]</p> <p>Terminal Hardware Initial Torque: B9,I3(10.0Nm±5%)</p>

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

Discharge F.V. / Time	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	2933	2030	1165	466.3	321.6	180.0	94.8
10.5V	3068	2107	1199	475.7	326.4	182.4	96.0
10.2V	3163	2155	1221	480.0	328.2	183.3	96.5
9.9V	3235	2185	1236	483.4	329.4	183.8	96.7
9.6V	3300	2208	1248	486.2	330.3	183.8	96.7

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

Discharge F.V. / Time	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	255.0	172.0	97.9	38.86	26.80	15.00	7.90
10.5V	266.8	178.6	100.8	39.64	27.20	15.20	8.00
10.2V	275.0	182.7	102.6	40.00	27.35	15.28	8.04
9.9V	281.3	185.2	103.8	40.28	27.45	15.32	8.06
9.6V	287.0	187.1	104.9	40.52	27.52	15.32	8.06

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

For operation, please refer to the instruction from technical manual.

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