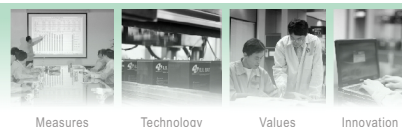


## VRLA Rechargeable Battery

# BP33-12 Finger Type



### FEATURES

- Maintenance Free (topping up not needed)
- Non-spillable (no free electrolyte)
- Low Self Discharge, less than 3% per month
- both Vertical & Horizontal installations

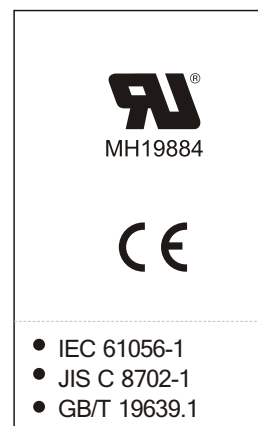
### APPLICATIONS

- UPS
- Telecom Systems
- Switch Boards
- Security Systems
- Medical Systems
- Photovoltaic Systems
- Emergency Lighting
- Golf Carts



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	33.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	11250g(24.81lbs.)
Terminals	B7 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≤9mΩ (Fully Charged)
Max. Discharge Current	495 A (5 sec.)
Max. Charge Current	9.9 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) BP33-12 Optional: Flame Retardant ABS(UL94 V-0) BP33-12FR



DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<b>Length</b> 195±1.5 (7.68±0.06) <b>Width</b> 129±1.5 (5.08±0.06) <b>Container Height</b> 168±1.5 (6.61±0.06) <b>Total Height</b> B7:179±2.0 (7.05±0.08) I2:168±2.0 (6.61±0.08)		<p>Terminal Hardware Initial Torque: B7/I2(5.5Nm±5%)</p>

Constant power discharge characteristics at 25 °C/77 °F						Unit: W			
Discharge Time F.V.	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	1193	878	704	419	240.2	96.2	66.3	37.06	19.50
10.5V	1381	952	736	435	247.4	98.1	67.3	37.62	19.80
10.2V	1467	986	759	445	251.8	99.0	67.7	37.81	19.90
9.9V	1533	1009	776	451	254.9	99.7	67.9	37.92	19.96
9.6V	1584	1030	792	455	257.4	100.3	68.1	37.92	19.96

Constant current discharge characteristics at 25 °C/77 °F						Unit: A			
Discharge Time F.V.	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	107.5	77.3	61.2	35.5	20.18	8.02	5.53	3.09	1.63
10.5V	126.7	83.8	64.0	36.8	20.79	8.18	5.61	3.13	1.65
10.2V	134.6	86.8	66.0	37.7	21.16	8.25	5.64	3.15	1.66
9.9V	140.7	88.9	67.5	38.2	21.42	8.31	5.66	3.16	1.66
9.6V	145.3	90.6	68.9	38.6	21.63	8.36	5.68	3.16	1.66

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.

B/3 REV. Apr. 2019

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