



VRLA Rechargeable Battery

BPS33-12 Finger Type



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).
- Absorbent Glass Mat technology for efficient gas recombination.

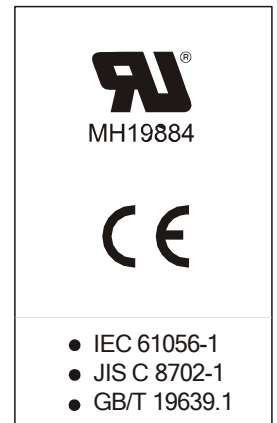
APPLICATION

- UPS
- Wheelchairs
- Lawn Mowers
- Golf-Carts
- Electronic Medical Equipment



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(UL 94-HB) BPS33-12 Optional: Flame Retardant ABS (UL 94-V0) BPS33-12FR

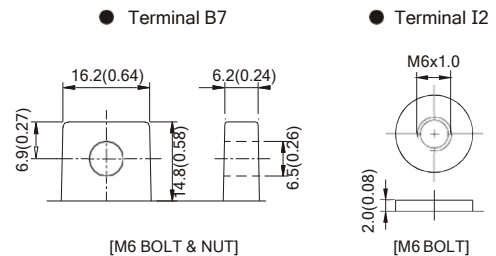
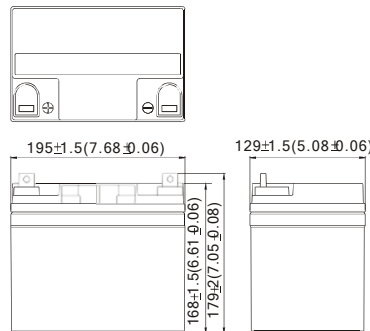


DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
195±1.5(7.68±0.06)
- **Width**
129±1.5(5.08±0.06)
- **Container Height**
168±1.5(6.61±0.06)
- **Total Height**
B7:179±2.0(7.05±0.08)
I2:168±2.0(6.61±0.08)



Terminal Hardware Initial Torque: B7/I2(5.5Nm±5%)

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

F.V. (V/cell)	Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		1193	878	704	419	240.2	96.2	66.3	37.06	19.50
1.75V		1381	952	736	435	247.4	98.1	67.3	37.62	19.80
1.70V		1467	986	759	445	251.8	99.0	67.7	37.81	19.90
1.65V		1533	1009	776	451	254.9	99.7	67.9	37.92	19.96
1.60V		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

F.V. (V/cell)	Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		107.5	77.3	61.2	35.5	20.18	8.02	5.53	3.09	1.63
1.75V		126.7	83.8	64.0	36.8	20.79	8.18	5.61	3.13	1.65
1.70V		134.6	86.8	66.0	37.7	21.16	8.25	5.64	3.15	1.66
1.65V		140.7	88.9	67.5	38.2	21.42	8.31	5.66	3.16	1.66
1.60V		145.3	90.6	68.9	38.6	21.63	8.36	5.68	3.16	1.66

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