

VRLA Rechargeable Battery

BPS100-12

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
- Elevated Platforms
- Photovoltaic Systems
- Emergency Lighting
- Golf Carts



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	100Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	32.7Kg(72.1lbs.)
Terminals	B3 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≦4.5mΩ (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	30 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) BPS100-12 Optional: Flame Retardant ABS(UL 94-V0) BPS100-12FR

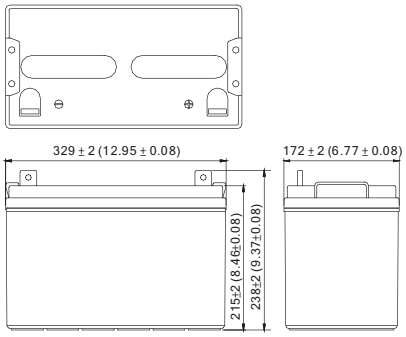
ISO9001 MH19884
ISO14001 CE
OHSMS

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

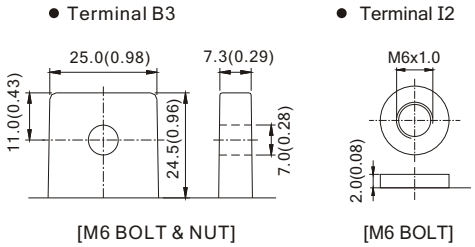
DIMENSION(mm/inch)

- **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: 218.5±2.0 (8.60±0.08)

OUTER DIMENSIONS



TERMINAL TYPE



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	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	2065	1271	727.8	291.5	201.0	112.31	59.10
1.75V	2160	1321	749.6	297.3	204.0	114.00	60.00
1.70V	2226	1351	763.1	300.0	205.1	114.57	60.31
1.65V	2278	1373	772.3	302.1	205.8	114.91	60.48
1.60V	2323	1402	780.0	303.9	206.4	114.91	60.48

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	184.6	108.8	61.16	24.29	16.75	9.36	4.93
1.75V	193.0	113.1	62.99	24.78	17.00	9.50	5.00
1.70V	199.0	115.7	64.13	25.00	17.09	9.55	5.03
1.65V	203.6	117.5	64.90	25.17	17.15	9.58	5.04
1.60V	207.7	119.1	65.55	25.33	17.20	9.58	5.04

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