



VRLA Rechargeable Battery

BP4.5-12RT



FEATURES

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

APPLICATION

- UPS
- Electronic Doorbells
- Toy-Cars
- Fans



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	4.5Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	1780g(3.92lbs.)
Terminals	+250 Faston/-187 Faston
Internal Resistance	≤42m Ω (Fully Charged)
Max. Discharge Current	67.5 A (5 sec.)
Maximum Charge Current	1.35 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) BP4.5-12RT Optional: Flame Retardant ABS(UL94 V-0) BP4.5-12RTFR

RU
MH19884

CE
C4M20310-2474-E-16

- IEC61056-1
- JIS C 8702-1
- GB/T 19639.1

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<p>■ Length 140±1.5 (5.51±0.06)</p> <p>■ Width 48±1.5 (1.89±0.06)</p> <p>■ Container Height 102±1.5 (4.02±0.06)</p> <p>■ Total Height 104±2.0 (4.09±0.08)</p>		<p>● Terminal RT</p>

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		162.7	119.8	96.0	57.1	32.75	13.12	9.04	5.054	2.660
1.75V		188.3	129.8	100.4	59.3	33.73	13.38	9.18	5.130	2.700
1.70V		200.1	134.4	103.5	60.6	34.34	13.50	9.23	5.156	2.712
1.65V		209.1	137.6	105.9	61.5	34.75	13.59	9.26	5.171	2.724
1.60V		216.0	140.4	108.0	62.1	35.10	13.68	9.29	5.171	2.724

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		14.66	10.54	8.35	4.84	2.75	1.09	0.754	0.421	0.222
1.75V		17.28	11.42	8.73	5.02	2.83	1.11	0.765	0.427	0.225
1.70V		18.36	11.83	9.00	5.14	2.89	1.12	0.769	0.430	0.226
1.65V		19.18	12.12	9.21	5.21	2.92	1.13	0.772	0.431	0.227
1.60V		19.82	12.36	9.39	5.26	2.95	1.14	0.774	0.431	0.227

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