



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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VRLA Rechargeable Battery

BP4.5-12RT



FEATURES

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

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(UL 94-HB) BP4.5-12RT Optional: Flame Retardant ABS(UL 94-V0) BP4.5-12RTFR



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

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

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.