



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

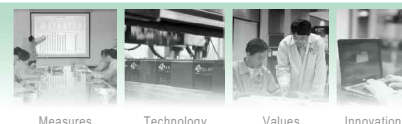
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





VRLA Rechargeable Battery

BP4-12



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
- Toy-Cars
- Fans
- Electronic Doorbells



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	4.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	1670g(3.68lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	$\leq 45m\ \Omega$ (Fully Charged)
Max. Discharge Current	60 A (5 sec.)
Max. Charge Current	1.2 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) BP4-12 Optional: Flame Retardant ABS(UL 94-V0) BP4-12FR



- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
Length 90±1.5 (3.54±0.06) Width 70±1.5 (2.76±0.06) Container Height 102±1.5 (4.02±0.06) Total Height 106±2.0 (4.17±0.08)		

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

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	144.6	106.5	85.3	50.76	29.11	11.66	8.039	4.493	2.364
1.75V	167.4	115.3	89.2	52.69	29.99	11.89	8.160	4.560	2.400
1.70V	177.9	119.5	92.0	53.90	30.52	12.00	8.205	4.583	2.412
1.65V	185.8	122.4	94.1	54.65	30.89	12.08	8.233	4.596	2.424
1.60V	192.0	124.8	96.0	55.20	31.20	12.16	8.258	4.596	2.424

Constant current discharge characteristics at 25 °C/77 °F Unit: A

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	13.03	9.37	7.42	4.30	2.446	0.972	0.670	0.374	0.197
1.75V	15.36	10.15	7.76	4.47	2.520	0.991	0.680	0.380	0.200
1.70V	16.32	10.52	8.00	4.57	2.565	1.000	0.684	0.382	0.201
1.65V	17.05	10.77	8.18	4.63	2.596	1.007	0.686	0.383	0.202
1.60V	17.61	10.99	8.35	4.68	2.622	1.013	0.688	0.383	0.202

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