



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

EP100-12



FEATURES

- Absorbent Glass Mat technology for efficient gas recombination
- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed for heavy duty cyclic application
- Flame-arrestor is installed to ensure safety
- Carry handles for easy installation
- Low self-discharge rate, lower than 3% capacity loss per month

APPLICATION

- UPS
- Telecom
- Golf-Carts



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	100Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	40.0Kg(88.2lbs.)
Terminals	B4 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≤4.0mΩ (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) EP100-12 Optional: Flame Retardant ABS(UL 94-V0) EP100-12FR

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> ■ Length 407±2.0 (16.02±0.08) ■ Width 173±2.0 (6.81±0.08) ■ Container Height 210±2.0 (8.27±0.08) ■ Total Height 239±2.0 (9.41±0.08) 		<p>Terminal Hardware Initial Torque: B4,I2(5.5Nm±5%)</p>

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	1983	1193	691	291	201	112.3	58.7
1.75V	2076	1239	711	297	204	114.0	60.0
1.70V	2139	1266	724	300	206	114.6	60.3
1.65V	2189	1284	734	303	207	114.9	60.4
1.60V	2231	1297	741	304	207	114.9	60.4

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	178.7	105.6	58.07	24.25	16.75	9.36	4.89
1.75V	188.7	109.6	59.75	24.75	17.00	9.50	5.00
1.70V	194.5	112.0	60.84	25.00	17.17	9.55	5.03
1.65V	199.0	113.6	61.68	25.25	17.25	9.58	5.03
1.60V	202.8	114.8	62.27	25.33	17.25	9.58	5.03

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