



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

EB50-12



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 high power & high cyclic usage
- Low self-discharge rate, lower than 3% capacity loss per month

APPLICATION

- UPS
- E-bike
- Wheelchairs
- Lawn Mowers
- Golf-Carts
- Electrical Scooter



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	50Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	16500g(36.38lbs.)
Terminals	I2 (M6 Female thread)
Internal Resistance	≤6mΩ (Fully Charged)
Max. Discharge Current	750 A (5 sec.)
Max. Charge Current	15 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) EB50-12 Optional: Flame Retardant ABS(UL 94-V0) EB50-12FR

WSF ISO9001 **UL** MH19884

WSF ISO14001 **CE** CAM20310-2474-E-16

WSF OHSMS

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<p>■ Length 197±1.5 (7.76±0.06)</p> <p>■ Width 165±1.5 (6.50±0.06)</p> <p>■ Container Height 171±1.5 (6.73±0.06)</p> <p>■ Total Height 171±1.5 (6.73±0.06)</p>		<p>● Terminal I2</p> <p>[M6 BOLT]</p> <p>Terminal Hardware Initial Torque: I2(5.5Nm±5%)</p>

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

F.V. (V/cell)	Discharge Time	10 Min	15 Min	30 Min	40 Min	1 Hr	2 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		1346.7	1090.5	685.9	543.8	415.0	228.0	175.0	110.9	56.14	29.36
1.75V		1459.0	1141.7	712.2	563.5	427.0	234.0	178.3	112.3	57.00	30.00
1.70V		1511.7	1176.2	727.8	574.8	434.5	236.4	180.0	113.2	57.29	30.14
1.65V		1547.8	1203.7	738.4	582.8	440.5	238.8	181.7	114.0	57.43	30.21
1.60V		1578.5	1227.4	745.9	588.7	445.0	240.0	182.5	114.0	57.43	30.21
1.50V		1610.2	1251.9	753.4	594.6	449.7	241.2	183.6	114.0	57.43	30.21

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

F.V. (V/cell)	Discharge Time	10 Min	15 Min	30 Min	40 Min	1 Hr	2 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		118.5	94.8	58.1	45.9	34.9	19.0	14.6	9.24	4.68	2.45
1.75V		128.4	99.3	60.4	47.6	35.9	19.5	14.9	9.36	4.75	2.50
1.70V		133.1	102.3	61.7	48.5	36.5	19.7	15.0	9.43	4.77	2.51
1.65V		136.3	104.7	62.6	49.2	37.0	19.9	15.1	9.50	4.79	2.52
1.60V		139.0	106.7	63.2	49.7	37.4	20.0	15.2	9.50	4.79	2.52
1.50V		141.7	108.9	63.8	50.2	37.8	20.1	15.3	9.50	4.79	2.52

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