



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

EVP20-12



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)
- The battery is designed for high power & high cyclic usage

APPLICATION

- UPS
- Emergency Lights
- Fishing Lights
- Lawn Mowers
- Electrical Bicycle
- Golf Trolley



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	20Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	6600g(14.55lbs.)
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional
Internal Resistance	≤9mΩ (Fully Charged)
Max. Discharge Current	300 A (5 sec.)
Max. Charge Current	6.0 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) EVP20-12 Optional: Flame Retardant ABS(UL 94-V0) EVP20-12FR

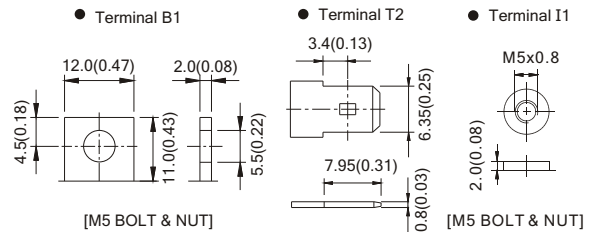
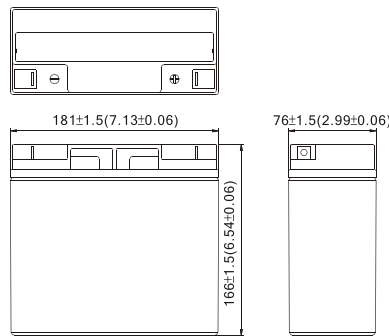
- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
181±1.5 (7.13±0.06)
- **Width**
76±1.5 (2.99±0.06)
- **Container Height**
166±1.5 (6.54±0.06)
- **Total Height**
166±1.5 (6.54±0.06)



Terminal Hardware Initial Torque: B1(2.5Nm±5%),I1(4.0Nm±5%)

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	859	609	438	275	157	63.6	40.2	22.4	11.7
1.75V	995	660	463	285	161	65.2	40.9	22.9	12.0
1.70V	1057	686	476	292	165	65.7	41.2	23.0	12.1
1.65V	1105	701	489	296	167	66.4	41.4	23.0	12.1
1.60V	1141	714	498	300	168	66.6	41.5	23.0	12.1

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	79.55	53.6	40.1	24.34	13.18	5.30	3.35	1.87	0.98
1.75V	93.83	58.0	42.0	25.26	13.56	5.44	3.41	1.91	1.00
1.70V	99.70	60.4	43.3	25.83	13.87	5.48	3.44	1.92	1.01
1.65V	104.20	61.7	44.3	26.23	14.02	5.53	3.45	1.92	1.01
1.60V	107.63	62.9	45.0	26.55	14.13	5.55	3.46	1.92	1.01

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