



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](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

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





## VRLA Rechargeable Battery

# SHR7-12



### FEATURES

- 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 rate usage
- Absorbent Glass Mat technology for efficient gas recombination
- The power density at 2 min~15min discharging
- rate is 50% higher than BP series

### APPLICATION

- UPS
- Fishing Lights
- Power Packs
- Emergency Lights
- Toy-Cars



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	15 Min Rate (27W, 1.60V/Cell)
Approx. Weight	1840g(4.06lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	$\leq 20m\Omega$ (Fully Charged )
Max. Discharge Current	90 A (5 sec.)
Max. Charge Current	1.80 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) SHR7-12 Optional: Flame Retardant ABS(UL 94-V0) SHR7-12FR



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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<b>Length</b> $90 \pm 1.5$ (3.54 $\pm$ 0.06) <b>Width</b> $70 \pm 1.5$ (2.76 $\pm$ 0.06) <b>Container Height</b> $102 \pm 1.5$ (4.02 $\pm$ 0.06) <b>Total Height</b> $106 \pm 2.0$ (4.17 $\pm$ 0.08)		<div>             • Terminal T1  </div> <div>             • Terminal T2  </div>

Constant power discharge characteristics at 25 °C/77 °F											Unit: W	
F.V. (V/cell)	Discharge Time	2 Min	3 Min	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V		484	408	307	196	153	119	88.4	68.7	58.3	51.4	27.5
1.75V		519	438	330	208	157	122	90.4	70.6	59.9	52.1	27.9
1.70V		545	459	343	212	159	124	91.3	71.4	60.4	52.4	28.1
1.67V		557	473	355	217	161	125	92.1	72.2	60.9	52.6	28.3
1.60V		568	486	368	221	162	126	92.9	73.0	61.3	52.8	28.5
1.50V		579	496	372	224	163	127	93.7	73.8	62.0	53.0	28.7

Constant current discharge characteristics at 25 °C/77 °F											Unit: A
Discharge Time F.V. (V/cell)	2 Min	3 Min	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V	44.5	37.4	27.6	17.1	13.2	10.17	7.50	5.83	4.91	4.31	2.29
1.75V	47.9	40.4	29.8	18.2	13.5	10.46	7.71	6.00	5.05	4.39	2.33
1.70V	50.5	42.4	31.0	18.7	13.7	10.62	7.78	6.07	5.09	4.41	2.34
1.67V	51.6	43.7	32.2	19.2	13.9	10.74	7.86	6.15	5.14	4.43	2.36
1.60V	52.7	44.9	33.4	19.5	14.1	10.85	7.93	6.22	5.18	4.45	2.38
1.50V	53.8	45.9	33.9	19.8	14.3	10.94	8.03	6.30	5.25	4.48	2.40

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

For operation, please refer to the instruction from technical manual.

A/0 REV. Apr. 2014

Powered by **B.B. Battery Co., Ltd.**