

VRLA Rechargeable Battery

SH4.5-12L



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)
- The battery is designed for high rate usage

APPLICATION

- UPS
- Fans
- Electronic Doorbells
- Toy-Cars



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	4.28Ah @ 10 hour rate F.V.(1.75V/cell)
Approx. Weight	1630g(3.59lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤30mΩ (Fully Charged)
Max. Discharge Current	67.5 A (5 sec.)
Max. Charge Current	1.35 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) SH4.5-12L Optional: Flame Retardant ABS(UL 94-V0) SH4.5-12LFR

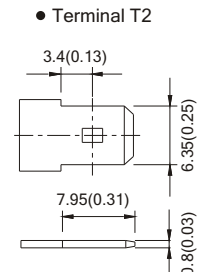
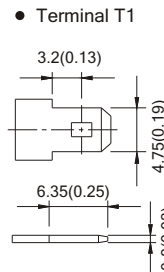
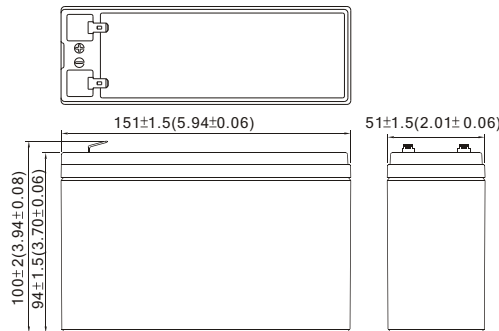
- IEC61056-1
- JIS C 8702-1
- GB/T 19639.1

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
151±1.5 (5.94±0.06)
- **Width**
51±1.5 (2.01±0.06)
- **Container Height**
94±1.5 (3.70±0.06)
- **Total Height**
100±2.0 (3.94±0.08)



Constant power discharge characteristics at 25 °C/77 °F

Unit: W

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	192.4	132.5	96.5	55.5	32.6	13.26	8.96	4.99	2.66
1.70V	214.5	136.8	98.3	58.3	33.1	13.45	9.18	5.14	2.70
1.60V	221.6	140.6	101.2	58.8	33.4	13.50	9.23	5.15	2.71
1.50V	228.9	142.1	104.8	59.2	33.7	13.62	9.26	5.16	2.72
1.40V	235.9	142.5	107.5	59.5	33.9	13.67	9.29	5.17	2.73
1.30V	236.4	142.8	108.0	59.6	34.1	13.68	9.30	5.17	2.73

Constant current discharge characteristics at 25 °C/77 °F

Unit: A

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	17.34	11.66	8.39	4.70	2.67	1.105	0.747	0.416	0.222
1.70V	19.68	12.04	8.55	4.94	2.71	1.121	0.765	0.428	0.225
1.60V	20.53	12.38	8.80	4.98	2.74	1.125	0.769	0.429	0.226
1.50V	21.00	12.51	9.11	5.02	2.76	1.135	0.772	0.430	0.227
1.40V	21.64	12.61	9.35	5.04	2.78	1.139	0.774	0.431	0.228
1.30V	21.69	12.57	9.39	5.05	2.80	1.140	0.775	0.431	0.228

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