



VRLA Rechargeable Battery

SH7-12



Measures Technology Values Innovation

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
- Toy-Cars
- Power Packs
- Fishing Lights
- Laboratory Equipment



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	7.00Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	2220g(4.89lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	≤22mΩ (Fully Charged)
Max. Discharge Current	99 A (5 sec.)
Max. Charge Current	2.1 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(UL94 HB) SH7-12 Optional: Flame Retardant ABS(UL94 V-0) SH7-12FR



DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

151±1.5 (5.94±0.06)

Width

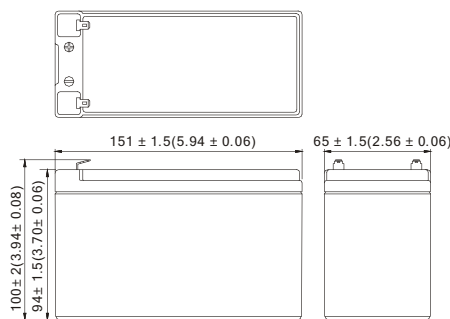
65±1.5 (2.56±0.06)

Container Height

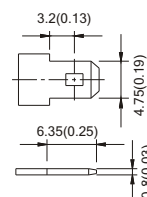
94±1.5 (3.70±0.06)

Total Height

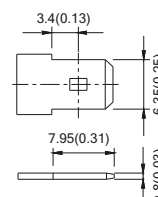
100±2.0 (3.94±0.08)



Terminal T1



Terminal T2



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	274.5	196.5	150.0	87.4	49.8	18.8	12.8	7.08	3.72
1.70V	301.0	206.0	152.5	88.8	50.3	19.0	13.0	7.24	3.80
1.60V	316.5	210.5	157.1	89.8	50.7	19.2	13.1	7.34	3.85
1.50V	324.0	212.0	160.0	90.3	51.2	19.3	13.1	7.40	3.88
1.40V	337.0	213.0	163.2	90.7	51.5	19.4	13.2	7.42	3.89
1.30V	341.0	215.0	168.0	90.8	51.7	19.5	13.2	7.43	3.89

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	24.73	17.30	13.04	7.41	4.18	1.57	1.07	0.589	0.309
1.70V	27.70	18.13	13.53	7.53	4.23	1.58	1.08	0.600	0.315
1.60V	29.50	18.53	13.82	7.61	4.26	1.60	1.09	0.610	0.320
1.50V	30.60	18.66	14.05	7.65	4.30	1.61	1.09	0.615	0.322
1.40V	30.92	18.75	14.22	7.69	4.33	1.62	1.10	0.618	0.323
1.30V	31.28	18.93	14.28	7.69	4.34	1.63	1.10	0.619	0.323

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