



VRLA Rechargeable Battery

HR4.2-12FR



Measures

Technology

Values

Innovation

FEATURES

- Maintenance Free (topping up not required)
- Non-spillable (no free acid)
- Low Self Discharge, less than 3% per month
- Both Vertical & Horizontal installations
- Excellent High Rate performance, 30% higher power for 5 to 15min discharge
- Absorbent Glass Mat technology for efficient gas recombination
- Its design life is up to 6 years in floating application
- Reliable Safety Valve in each cell

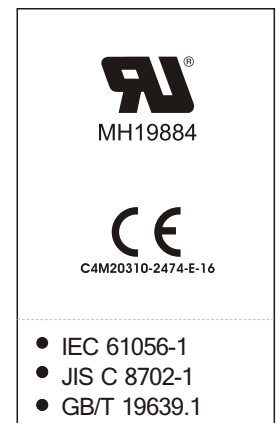
APPLICATIONS

- UPS
- R/C cars & planes
- Laboratory Equipment
- Emergency Lighting
- Power Boosters



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	3.8Ah @ 10 hour rate F.V.(1.75V/cell)
Approx. Weight	1350g(2.98lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤42mΩ (Fully Charged)
Max. Discharge Current	60 A (5 sec.)
Max. Charge Current	1.2A
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) HR4.2-12 Optional: Flame Retardant ABS(UL94 V-0) HR4.2-12FR

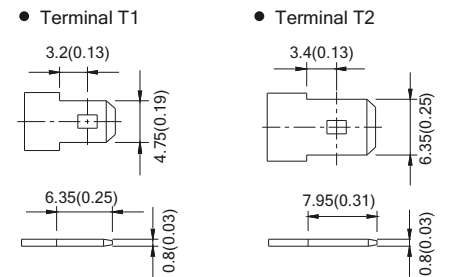
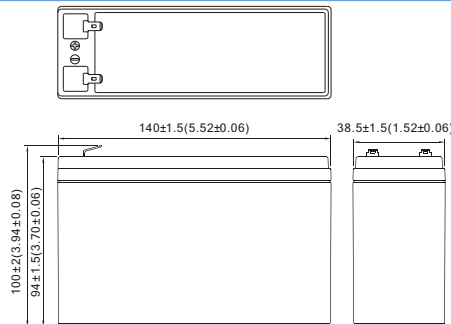


DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
140±1.5(5.52±0.06)
- **Width**
38.5±1.5(1.52±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	3Min	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V	241	156.2	112.4	88.9	75.9	57.6	44.3	36.7	32.3	17.8
1.70V	272	186.7	125.5	96.6	80.3	60.0	46.0	37.9	33.1	18.2
1.60V	285	200.0	132.0	101.0	83.3	61.4	47.1	38.7	33.6	18.4
1.50V	291	205.7	134.5	103.2	84.7	62.2	47.7	39.1	33.9	18.5
1.40V	293	209.5	136.3	104.3	85.4	62.7	47.9	39.4	34.2	18.6
1.30V	293	211.4	137.5	105.2	85.9	63.0	48.2	39.6	34.3	18.7

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

F.V. (V/cell) \ Discharge Time	3 Min	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V	21.1	14.2	9.9	7.69	6.56	4.88	3.73	3.07	2.70	1.48
1.70V	24.3	17.0	11.0	8.36	6.94	5.09	3.87	3.17	2.76	1.52
1.60V	25.6	18.2	11.6	8.74	7.21	5.20	3.96	3.24	2.80	1.53
1.50V	26.2	18.7	11.8	8.93	7.32	5.27	4.01	3.27	2.83	1.54
1.40V	26.5	19.1	12.0	9.03	7.39	5.31	4.03	3.30	2.85	1.55
1.30V	26.5	19.2	12.1	9.10	7.43	5.34	4.06	3.32	2.86	1.56

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

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