



The power for your life

UR12V-7AH

Specifications

Nominal Capacity

20 hour rate	(0.35A	to	10.50V)	7Ah
10 hour rate	(0.63A	to	10.50V)	6.3Ah
5 hour rate	(1.131A	to	10.20V)	5.65Ah
1 C	(7A	to	9.60V)	3.5Ah
3 C	(21A	to	9.60V)	2.1Ah

Weight Approx. 2.5KG

Internal Resistance (at 1KHz) Approx. 28 mΩ

Maximum Discharge Current for 5 seconds: 105A

Maximum Charging Current : 2.7A

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mV/°C/cell

Standby use:

Float Charging Voltage 13.5 to 13.8V

Coefficient -3.0mV/°C/cell

Operating Temperature Range

Charge -15°C(5°F) to 40°C(104°F)

Discharge -15°C(5°F) to 50°C(122°F)

Storage -15°C(5°F) to 40°C(104°F)

Charge Retention (shelf life) at 20°C (68°F)

1 month 92%

3 month 90%

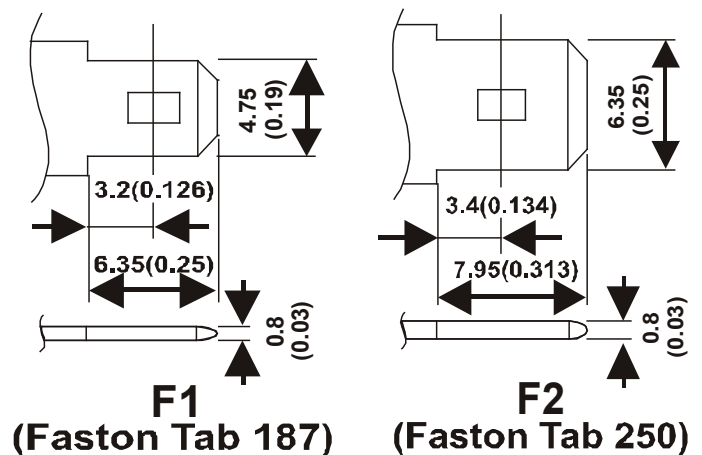
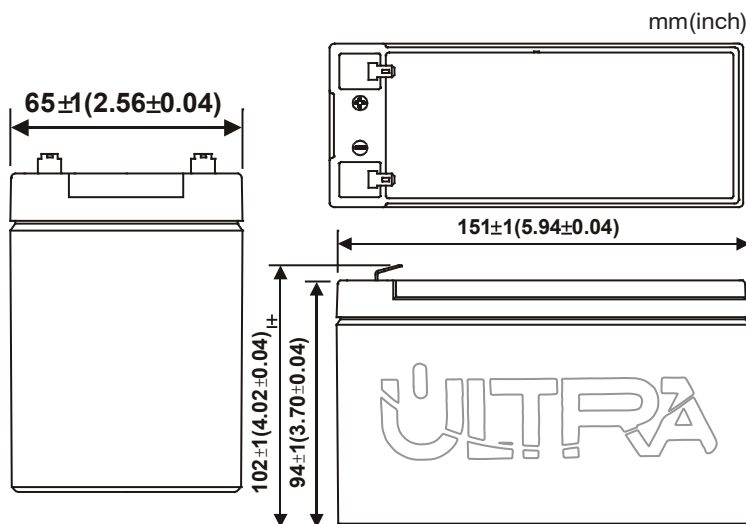
6 month 80%

Case Material ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

Terminal F1 or F2 (Faston Tab 187 or 250)

Life Time 10Y

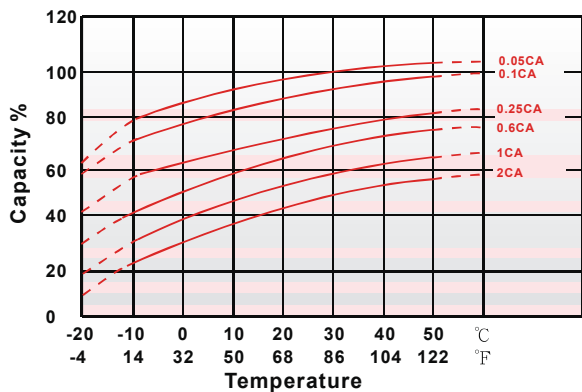


Dimensions

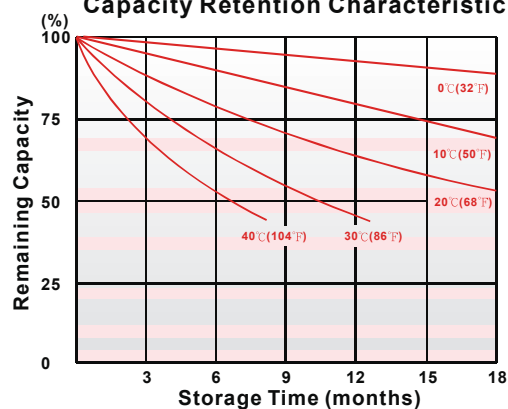
Length:	151±1mm(5.94±0.04inches)
Width:	65±1mm(2.56±0.04inches)
Height:	94±1mm(3.70±0.04inches)
Overall Height:	102±1mm(4.02±0.04inches)



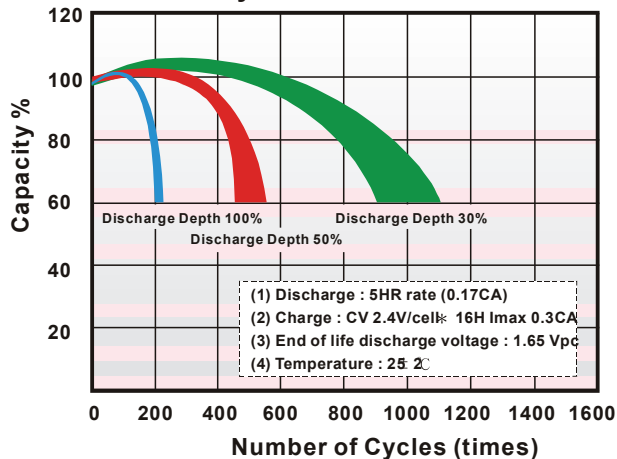
Effect of Temperature on Capacity 25°C(77°F)



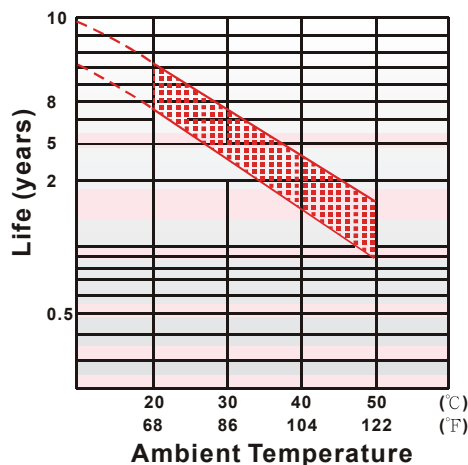
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C (77°F)

end voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour	2 hour	3 hour	5 hour	10 hour	20 hour
09.60	280	191	148	120	89.8	66.5	53.8	30.7	21.8	14.1	7.85	4.34
09.90	272	189	146	119	88.8	65.9	53.3	30.5	21.7	14.1	7.84	4.34
10.02	268	186	143	118	88.3	65.6	53.1	30.2	21.6	14.0	7.83	4.33
10.20	261	183	141	117	87.8	65.4	52.8	30.0	21.4	13.9	7.80	4.33
10.50	251	179	138	115	86.9	64.9	52.3	29.6	21.2	13.8	7.73	4.29
10.80	239	173	135	113	85.7	64.0	52.18	29.3	21.00	13.1	7.50	4.21

Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

end voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour	2 hour	3 hour	5 hour	10 hour	20 hour
09.60	28.0	18.6	14.1	11.3	8.22	5.98	4.78	2.69	1.90	1.22	0.68	0.37
09.90	27.1	18.3	13.8	11.1	8.11	5.91	4.73	2.66	1.88	1.21	0.67	0.37
10.02	26.7	18.0	13.5	11.0	8.05	5.88	4.70	2.64	1.87	1.20	0.67	0.37
10.20	26.0	17.7	13.4	10.9	7.99	5.85	4.67	2.62	1.85	1.19	0.67	0.37
10.50	24.9	17.2	13.0	10.7	7.88	5.78	4.61	2.57	1.82	1.18	0.66	0.36
10.80	23.5	16.5	12.6	10.4	7.71	5.67	4.55	2.53	1.71	1.12	0.63	0.35

All data on the spec. sheet is an average value:

The tolerance range : $X < 6\text{min}$ (+15%~-15%), $6\text{min} \leq X < 10\text{min}$ (+12%~-12%), $10\text{min} \leq X < 60\text{min}$ (+8%~-8%), $X \geq 60\text{min}$ (+5%~-5%)

