



The power for your life

UR12V-5AH

Specifications

Nominal Capacity

20 hour rate	(0.25A to 10.50V)	5Ah
10 hour rate	(0.475A to 10.50V)	4.75Ah
5 hour rate	(0.85A to 10.20V)	4.25Ah
1 C	(5A to 9.60V)	2.833Ah
3 C	(15A to 9.60V)	2.0Ah

Weight Approx. 1.8KG

Internal Resistance (at 1KHz) Approx. 19 mΩ

Maximum Discharge Current for 5 seconds: 75A

Maximum Charging Current : 1.5A

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%

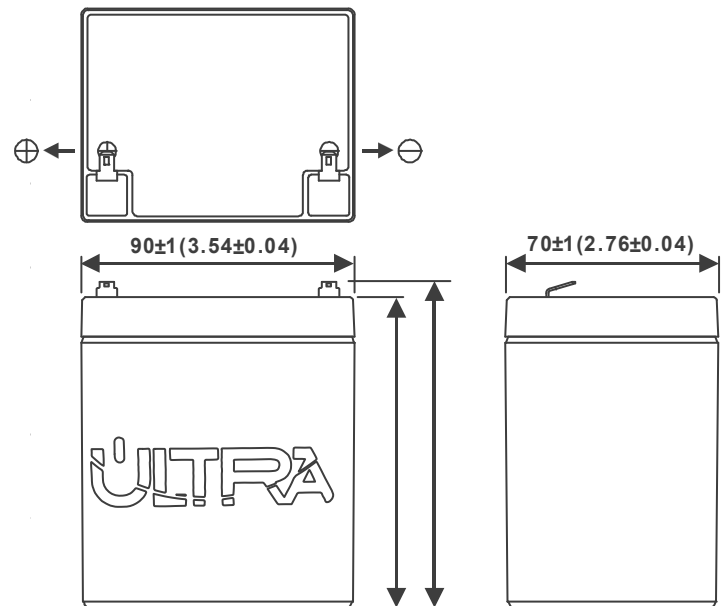
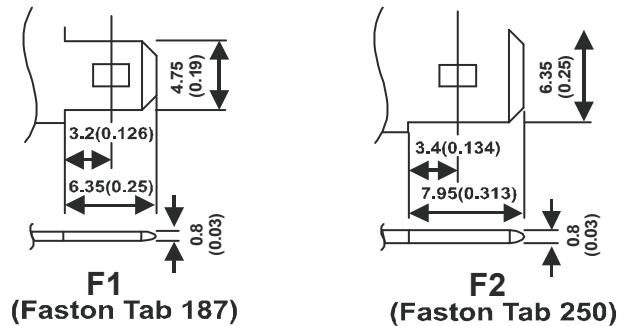
6 month 80%

Case Material ABS

(Option: UL94 HB & UL94 V-0 flame retardant)

Terminal F1 or F2 (Faston Tab 187 or 250)

Life Time 10Y

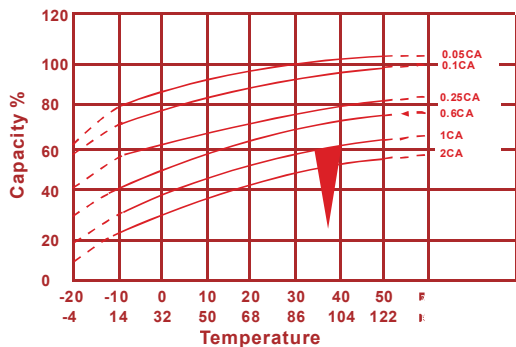


Dimensions

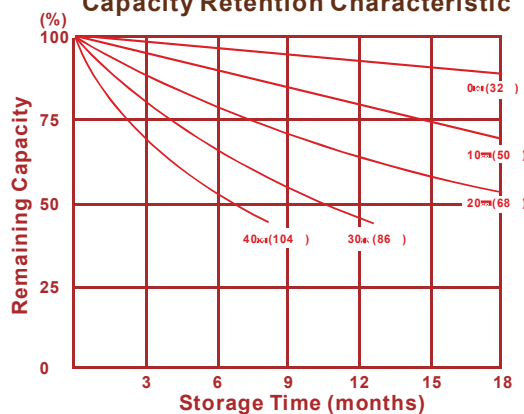
Length:	90±1mm(3.54±0.04inches)
Width:	70±1mm(2.76±0.04inches)
Height:	107±1mm(4.21±0.04inches)
Overall Height:	107±1mm(4.21±0.04inches)



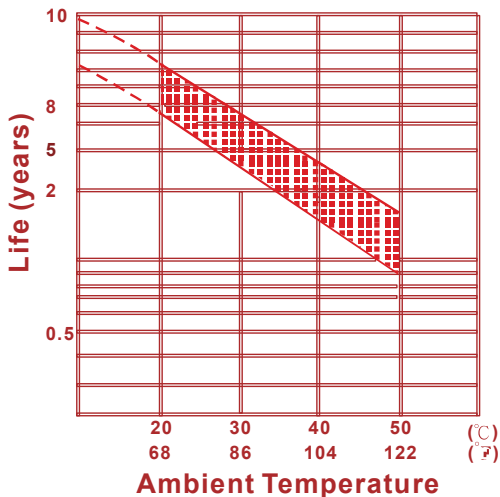
Effect of Temperature on Capacity 25°C(77°F)



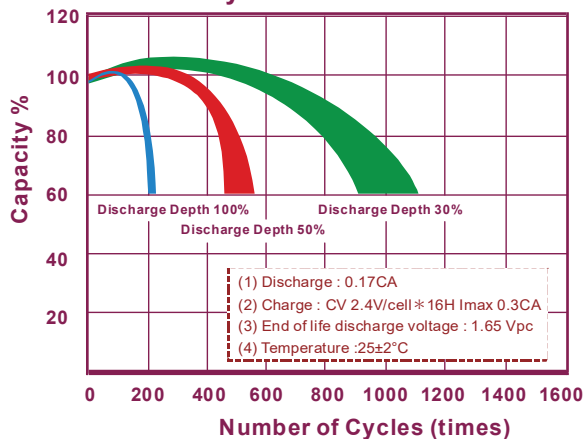
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle 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	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
9.6	26.5	16.5	11	6.24	4.36	3.42	1.93	1.45	1.16	0.95	0.81	0.64	0.52	0.26
9.9	25.7	16.1	10.8	6.16	4.3	3.36	1.88	1.42	1.13	0.93	0.8	0.63	0.51	0.256
10.02	25.1	15.8	10.7	6.12	4.26	3.33	1.85	1.4	1.12	0.92	0.79	0.62	0.51	0.254
10.2	24.6	15.4	10.6	6.08	4.22	3.3	1.82	1.37	1.11	0.91	0.78	0.62	0.51	0.253
10.5	22.8	15	10.4	5.96	4.13	3.22	1.74	1.32	1.07	0.89	0.77	0.61	0.5	0.25
10.8	20.7	14.1	10	5.86	3.98	3.05	1.65	1.26	1.03	0.87	0.75	0.6	0.49	0.248
11.1	17	12.6	9.45	5.56	3.78	2.9	1.54	1.19	0.96	0.83	0.72	0.58	0.48	0.235

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

end voltage	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
9.6	268.8	184.8	135.6	73.8	51.48	40.38	22.38	17.82	14.28	11.94	10.38	8.7	7.26	3.078
9.9	259.8	178.8	132.6	73.2	50.76	39.6	21.72	17.34	13.98	11.76	10.26	8.58	7.14	3.03
10.02	254.4	175.8	130.8	72	50.04	38.94	21.3	17.04	13.8	11.64	10.14	8.52	7.08	3.012
10.2	248.4	172.8	128.4	71.4	49.32	38.28	20.88	16.8	13.56	11.52	10.02	8.46	7.02	3
10.5	237	166.8	124.8	69	47.7	36.96	20.16	16.08	13.2	11.34	9.9	8.28	6.9	2.964
10.8	225.6	158.4	121.2	66.6	46.2	35.82	19.32	15.36	12.54	10.92	9.48	7.86	6.54	2.94
11.1	207.6	147	112.8	64.2	43.98	34.02	17.88	14.28	11.76	10.08	8.76	7.32	6.06	2.796

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%), $X \leq 60\text{min}$ (+5%~-5%)

