



The power for your life

UR12V-9AH

Specifications

Nominal Power

15 mins rate: 36W/cell to 1.60V/cell

Nominal Capacity

20 hour rate	(0.450A to 10.2V)	9.00Ah
10 hour rate	(0.852A to 10.2V)	8.41Ah
5 hour rate	(1.46A to 10.20V)	7.30Ah
1C	(9A to 9.60V)	5.70Ah
3C	(27A to 9.60V)	3.60 Ah

Weight Approx. 2.7KG

Internal Resistance (at 1KHz) Approx. 14 mΩ

Maximum Discharge Current for 5 seconds: 135 A

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%

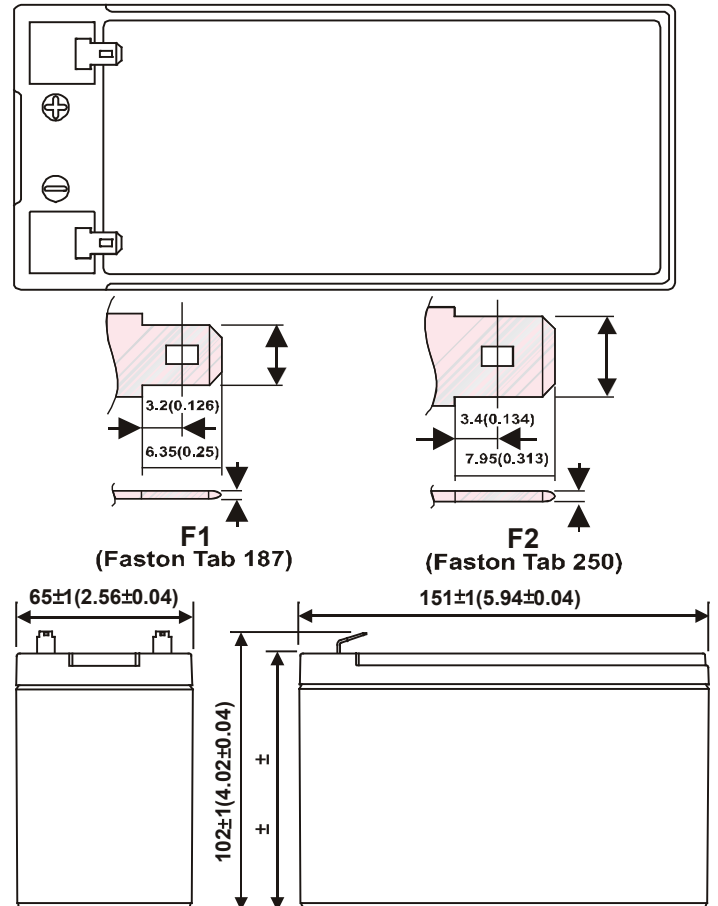
(Option: UL94 HB & UL94 V-0 flame retardant)

Terminal F1 or F2 (Faston Tab 187 or 250)

Life Time 10Y



mm(inch)

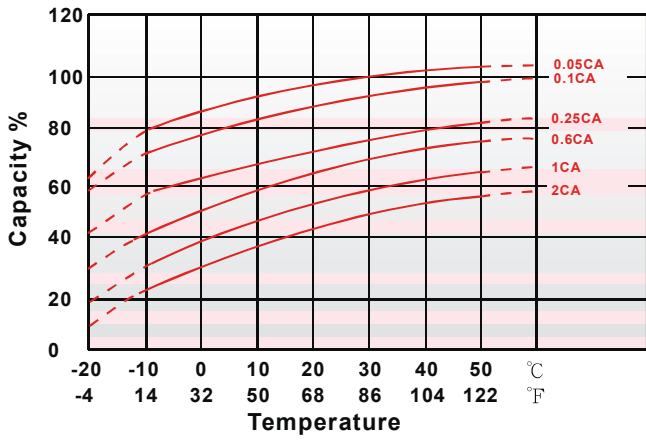


Dimensions

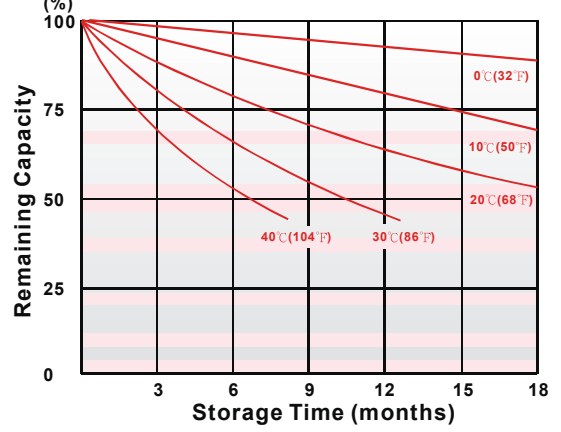
Length:	151±1mm(5.94±0.04inches)
Width:	65±1mm(2.56±0.04inches)
Height:	94±1mm(3.70±0.04inches)
Overall Height:	102±1mm(4.02±0.04inches)



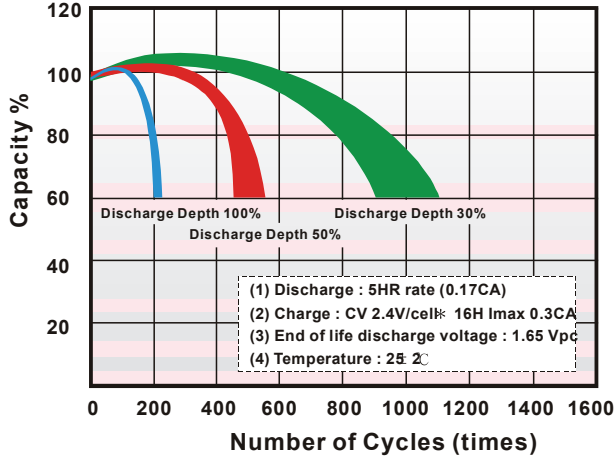
Effect of Temperature on Capacity 25°C(77°F)



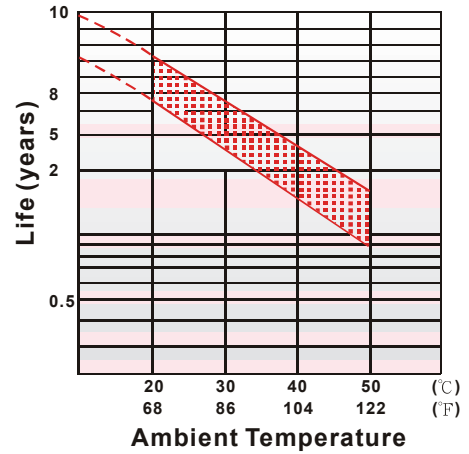
Capacity Retention Characteristic



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 hrs	3 hrs	5 hrs	10 hrs	20 hrs
9.60 V	406.7	285.3	217.2	175.6	128.5	92	68.4	37.4	26.5	17.1	10.46	5.54
9.90 V	405.1	284.2	216.1	174.9	128.1	91.7	68.2	37.3	26.5	17.1	10.36	5.45
10.02 V	403.5	283	215	174.1	127.7	91.5	68	37.1	26.4	17.1	10.21	5.39
10.20 V	400.3	280.6	212.8	172.6	126.9	90.9	67.5	36.8	26.2	17	10.09	5.34
10.50 V	393.9	275.9	208.3	169.5	125.2	89.9	66.6	36.1	25.8	16.8	9.97	5.29
10.80 V	384.3	268.2	202.8	166.2	123	88.6	65.6	35.7	24.9	16	9.40	5.03

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 hrs	3 hrs	5 hrs	10 hrs	20 hrs
9.60 V	40.7	27.8	20.7	16.5	11.8	8.27	6.08	3.28	2.31	1.48	0.887	0.469
9.90 V	40.4	27.5	20.5	16.3	11.7	8.22	6.04	3.26	2.3	1.47	0.877	0.461
10.02 V	40.1	27.4	20.4	16.2	11.6	8.19	6.02	3.24	2.28	1.47	0.863	0.456
V	39.8	27.1	20.1	16	11.5	8.14	5.97	3.21	2.26	1.46	0.852	0.450
10.50 V	39	26.5	19.6	15.7	11.4	8.01	5.87	3.13	2.22	1.43	0.841	0.446
10.80 V	37.9	25.7	18.9	15.3	11.1	7.86	5.76	3.08	2.13	1.36	0.792	0.423

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

The tolerance range : X<6min(+15%~15%), 6min≤X<10min(+12%~12%), 10min≤X<60min(+8%~8%), X≥60min(+5%~5%)

