



The power for your life

UR12V-66AH

Specifications

Nominal Capacity

20 hour rate	(3.25A to 10.50V)	66Ah
10 hour rate	(6.175A to 10.50V)	61.75Ah
5 hour rate	(11.05A to 10.20V)	55.25Ah
1 C	(65A to 9.60V)	36.83Ah
3 C	(195A to 9.60V)	26Ah

Weight Approx. 23.5KG

Internal Resistance (at 1KHz) Approx. 5mΩ

Maximum Discharge Current for 5 seconds: 780 A

Charging Methods at 25°C (77°F)

Maximum Charging Current : 19.5A

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%

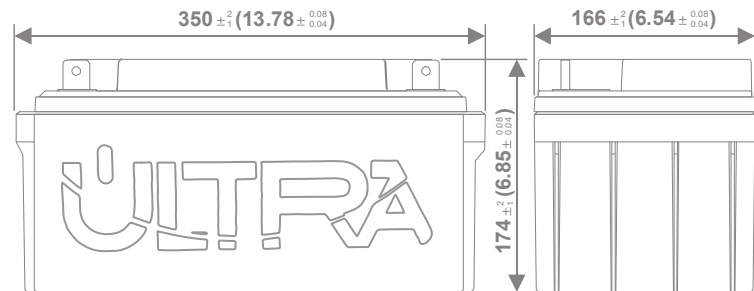
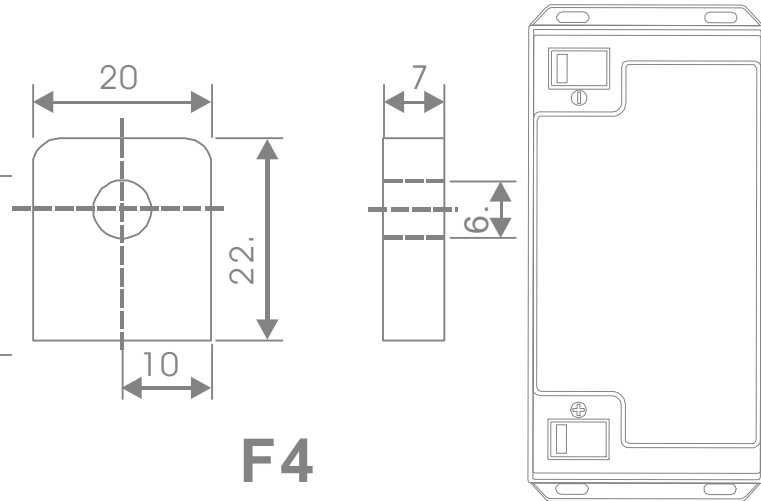
3 month 90%

6 month 80%

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

Terminal F4

Life Time 15Y

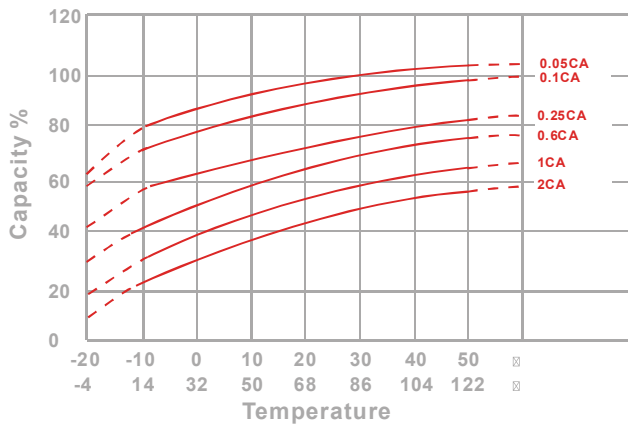


Dimensions

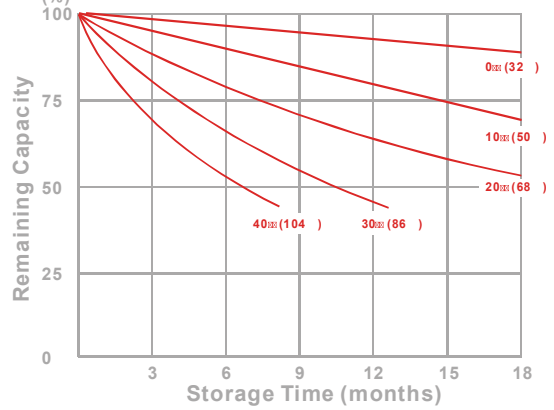
Length:	350 ± 2 mm (13.78 ± 0.08 inches)
Width:	166 ± 2 mm (6.54 ± 0.08 inches)
Height:	174 ± 1 mm (6.85 ± 0.04 inches)
Overall Height:	174 ± 1 mm (6.85 ± 0.04 inches)



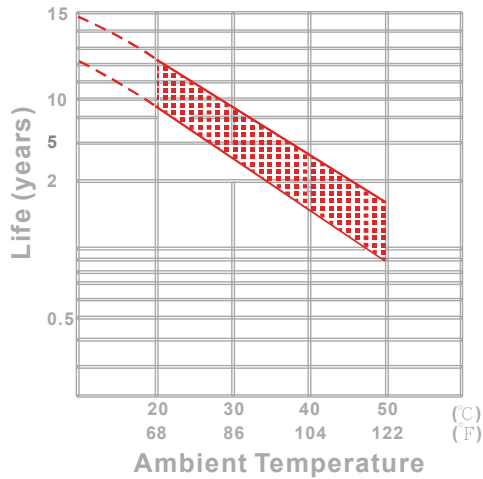
Effect of Temperature on Capacity 25 (77)



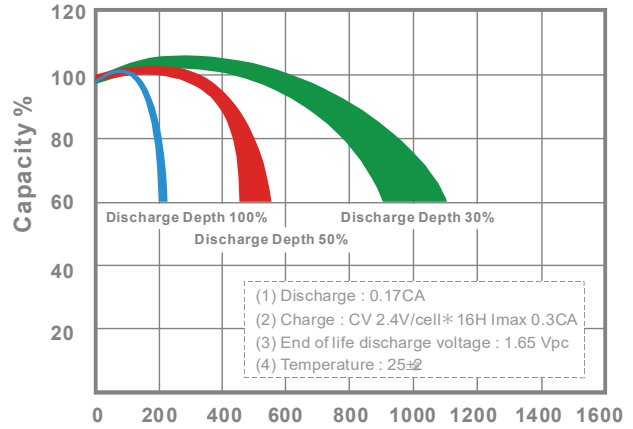
Capacity Retention Characteristic



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	20 min	30 min	45 min	1 hour	2 hour	3 hour	5 hour	10 hour	20 hour
9.60 V	2190	1616	1254	1036	782	578	460	263	190	127	70.5	39.1
9.90 V	2089	1568	1228	1021	773	575	457	261	189	126	70.2	38.8
10.02 V	2025	1533	1216	1010	767	571	454	259	188	125	69.9	38.7
10.20 V	1961	1499	1203	998	761	567	452	257	187	124	69.6	38.6
10.50 V	1833	1434	1159	974	748	556	447	254	185	123	68.6	38.5
10.80 V	1671	1342	1104	933	721	539	436	249	181	119	67.1	38.1

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
9.60	219	158	120	97.2	71.6	52.0	40.9	23.0	16.6	11.0	6.07	3.36
9.90	208	152	117	95.2	70.6	51.5	40.5	22.8	16.4	10.9	6.03	3.32
10.02	201	148	115	93.9	69.9	51.1	40.2	22.6	16.3	10.8	5.99	3.30
10.20	195	145	114	92.7	69.3	50.7	40.0	22.4	16.1	10.7	5.95	3.28
10.50	182	138	109	90.1	67.8	49.5	39.4	22.0	15.9	10.5	5.82	3.25
10.80	165	129	103	85.8	64.9	47.7	38.2	21.5	15.4	10.1	5.68	3.20

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%)

