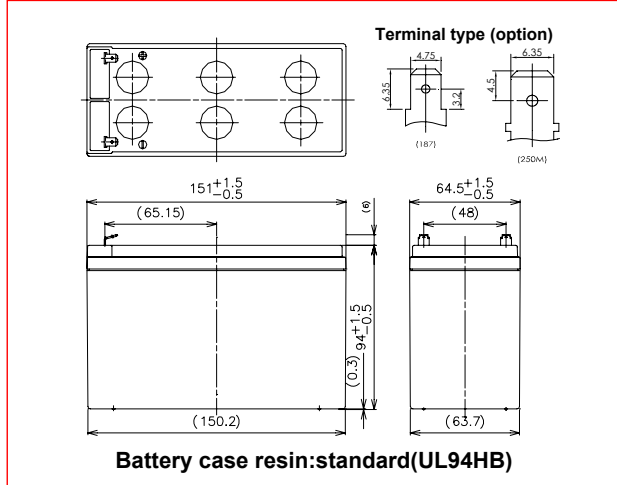


**UP-RW1236**

For standby power supplies  
Expected trickle life:3~5 years at 25°C, approx.5 years at 20°C



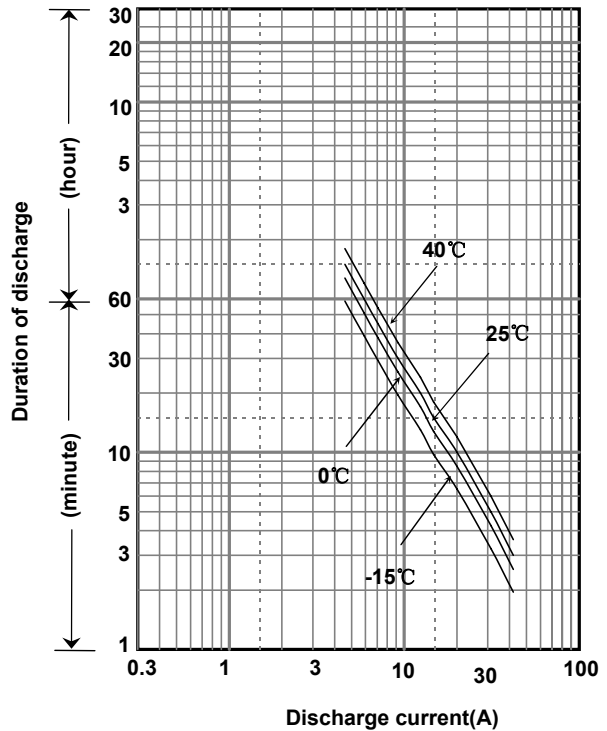
**■Dimensions(mm)**



**■Specification**

Nominal Voltage	12V	
Nominal Capacity	36W/cell@10MR	
Dimensions	Length	151 mm
	Width	64.5 mm
	Height	94 mm
	Total height	100 mm
Approx. Mass	2.05 kg	
Terminal	Faston 187 & 250M	

**■Duration of discharge vs. discharge current**



**■Characteristics**

Capacity (25 °C)	30 minute rate	108W
	15 minute rate	169W
	10 minute rate	224W
	5 minute rate	348W
Internal Resistance	Fully charged battery (25 °C)	21 mΩ
Temperature Dependency of Capacity (20 hour rate)	40 °C	102%
	25 °C	100%
	0 °C	85%
	-15 °C	65%
Self Discharge (25 °C)	After 3 months	91%
	After 6 months	82%
	After 12 months	64%

**■Watt Table(25°C) (Wattage/Battery)**

Cut-off V	3min	5min	10min	15min	20min	30min	45min	1h	1.5h
9.6V	467	348	224	169	144	108	83.0	69.3	53.9
9.9V	440	332	218	161	139	106	82.5	69.3	52.8
10.2V	411	315	212	153	135	103	79.0	65.8	50.1
10.5V	373	287	203	146	129	99.5	76.9	64.3	48.1
10.8V	335	258	191	140	124	95.6	72.1	59.5	44.9

**■Ampere Table(25°C) (Ampere/Battery)**

Cut-off V	3min	5min	10min	15min	20min	30min	45min	1h	1.5h
9.6V	42.0	31.2	20.0	14.7	12.4	9.22	7.07	5.89	4.57
9.9V	39.5	29.8	19.5	14.0	12.0	9.03	7.03	5.89	4.47
10.2V	37.0	28.3	19.0	13.3	11.7	8.84	6.73	5.58	4.24
10.5V	33.6	25.7	18.1	12.7	11.2	8.51	6.55	5.46	4.07
10.8V	30.1	23.2	17.1	12.2	10.7	8.17	6.14	5.05	3.80

### ■ Charging Method

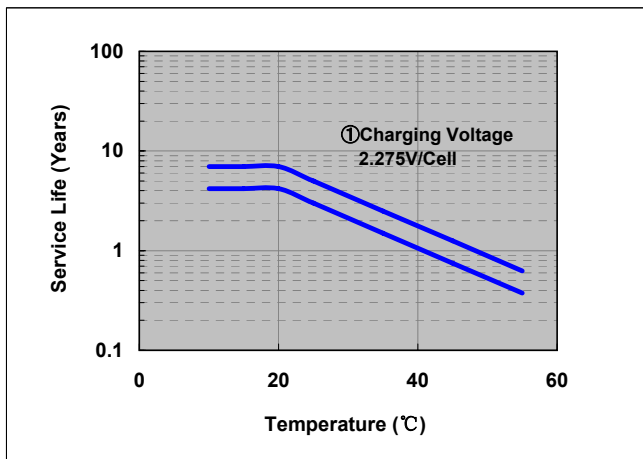
(25°C)

Trickle use	Control voltage:13.6-13.8V;Initial current 1.18A or smaller
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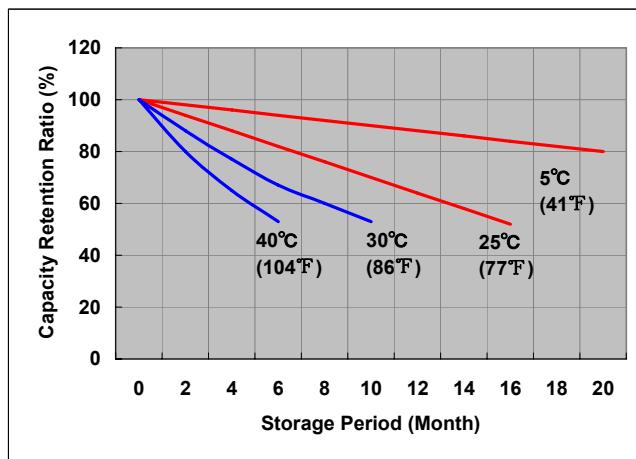
### ■ Cut off voltage

Discharge current	1.56A-3.9A	3.9A-7.8A	7.8A-15.6A	15.6A-23.4A
Cut off voltage (V)	10.2	9.9	9.3	8.7

### ■ Influence of Temperature on Trickle life

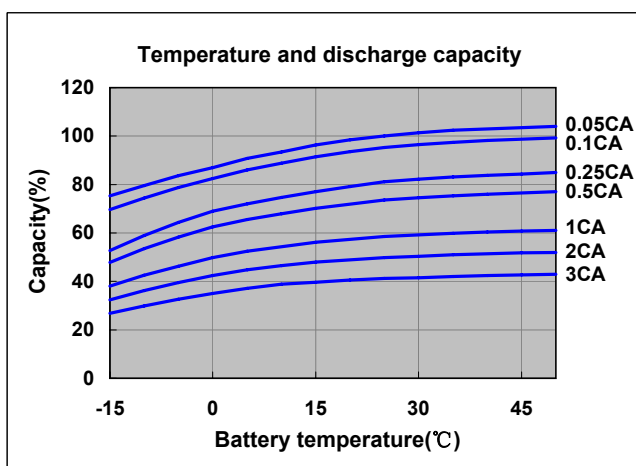
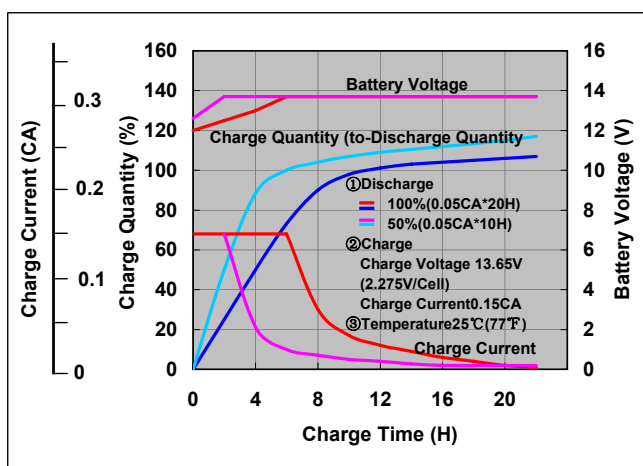


### ■ Residual capacity test result



### ■ Constant-voltage and constant-current charge characteristics

### ■ Discharge capacity by temperature and by discharge current



### ■ Discharge characteristics (25°C)

