UP-RWA1232P2

For standby power supplies

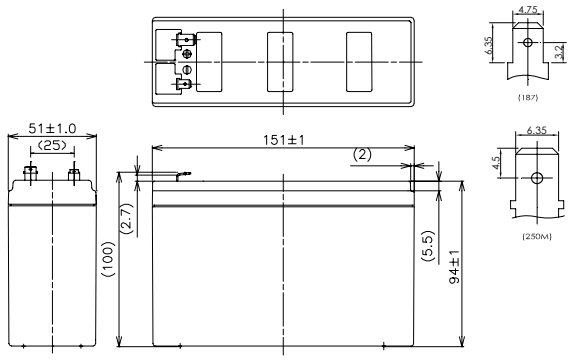
Expected trickle life:3~5 years at 25℃,approx.5 years at 20℃



Contents indicated (including the recycle marking, etc) are subject to change without notice.

■Dimensions(mm)

Terminal type (option)



Battery case resin:standard(UL94HB)

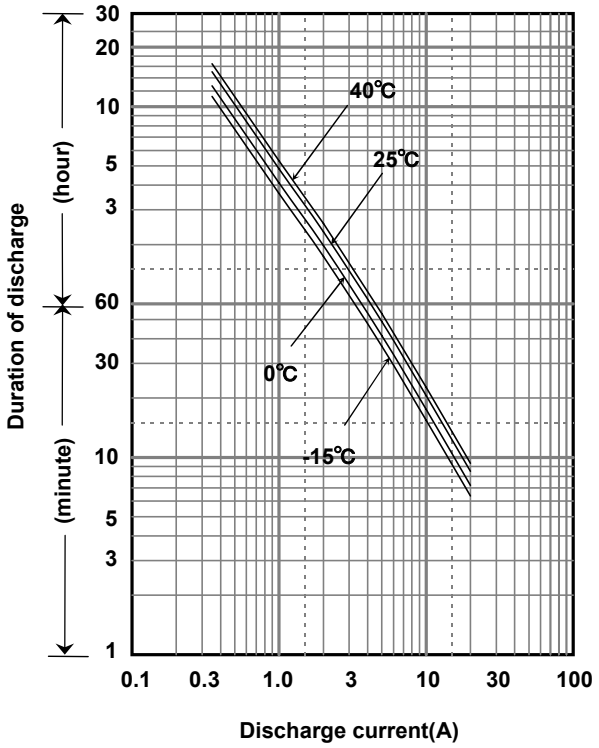
■Specification

Nominal Voltage		12V
Nominal Capacity		32W/cell@10MR
Dimensions	Length	151 mm
	Width	51 mm
	Height	94 mm
	Total height	100 mm
Approx. Mass		2.0 kg
Termianal		Faston 187 & 250M

■Characteristics

Capacity (25 ℃)	20 hour rate	97W
	10 hour rate	157W
	5 hour rate	192W
	1 hour rate	310W
Internal Resistance	Fully charged battery (25 ℃)	33 mΩ
Temperature Dependency of Capacity (20 hour rate)	40 ℃	102%
	25 ℃	100%
	0 ℃	85%
	-15 ℃	65%
Self Discharge (25 ℃)	After 3 months	91%
	After 6 months	82%
	After 12 months	64%

■Duration of discharge vs. discharge current



■Watt Table(25℃)

(Wattage/Battery)

Cut-off V	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	410	310	192	157	128	97.0	71.1	56.9	39.1	30.3	22.5	17.3	14.3	11.5	7.61	4.12	3.44
9.9V	386	295	187	150	124	95.0	70.7	56.9	38.3	30.0	22.4	17.2	14.2	11.4	7.58	4.11	3.43
10.2V	361	281	182	142	120	93.0	67.7	53.9	36.3	28.4	21.5	16.5	13.6	11.0	7.25	3.97	3.31
10.5V	327	255	174	136	115	89.5	65.9	52.8	34.9	27.5	21.5	16.5	13.5	10.9	7.22	3.96	3.30
10.8V	294	230	164	130	110	86.0	61.7	48.8	32.6	24.5	19.5	15.2	12.4	10.0	6.73	3.70	3.08

■Ampere Table(25℃)

(Ampere/Battery)

Cut-off V	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	36.9	27.8	17.1	13.7	11.0	8.29	6.06	4.83	3.31	2.56	1.89	1.45	1.19	0.96	0.634	0.344	0.287
9.9V	34.7	26.5	16.7	13.0	10.7	8.12	6.02	4.83	3.25	2.54	1.88	1.44	1.18	0.95	0.631	0.343	0.286
10.2V	32.5	25.2	16.3	12.3	10.3	7.95	5.77	4.58	3.08	2.40	1.80	1.38	1.14	0.92	0.604	0.331	0.276
10.5V	29.5	22.9	15.5	11.8	9.9	7.65	5.61	4.48	2.96	2.32	1.81	1.38	1.13	0.91	0.602	0.330	0.275
10.8V	26.4	20.6	14.6	11.3	9.5	7.35	5.26	4.14	2.76	2.07	1.64	1.28	1.03	0.84	0.560	0.309	0.257

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■Charging Method

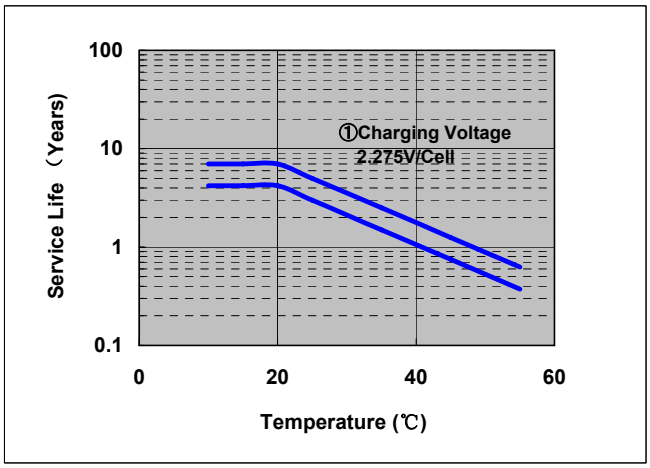
(25℃)

Trickle use	Control voltage:13.6-13.8V;Initial current 1.05A or smaller

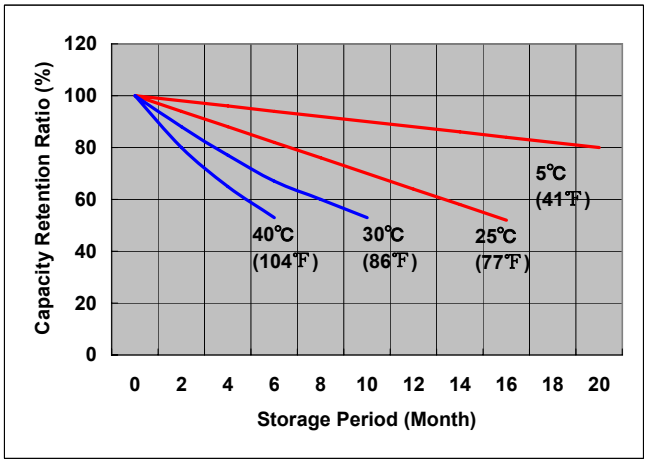
■Cut off voltage

Discharge current	0.35A-1.4A	1.4A-3.5A	3.5A-7A	7A-14A	14A-21A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

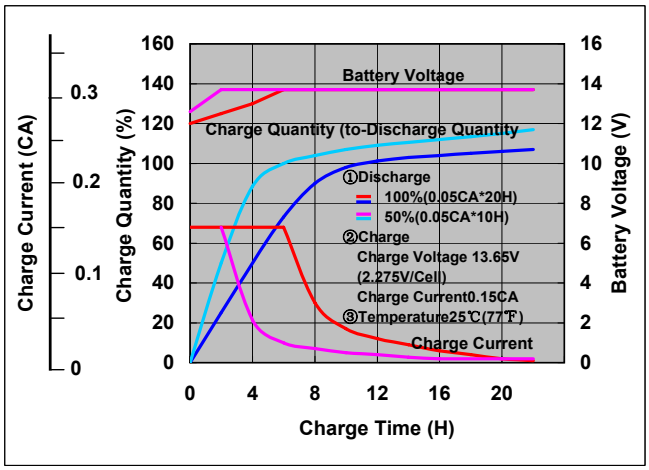
■Influence of Temperature on Trickle life



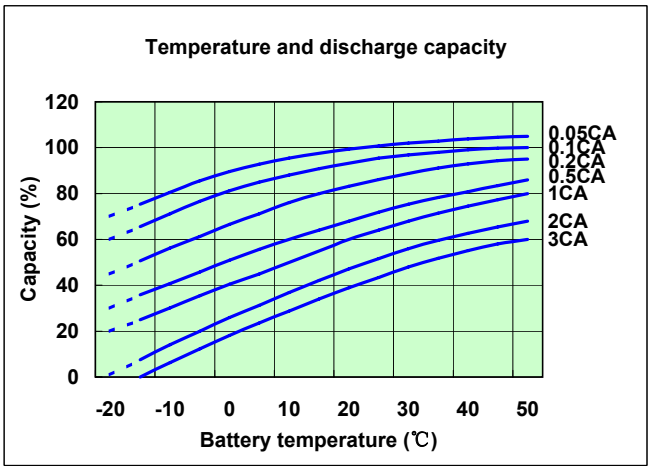
■Residual capacity test result



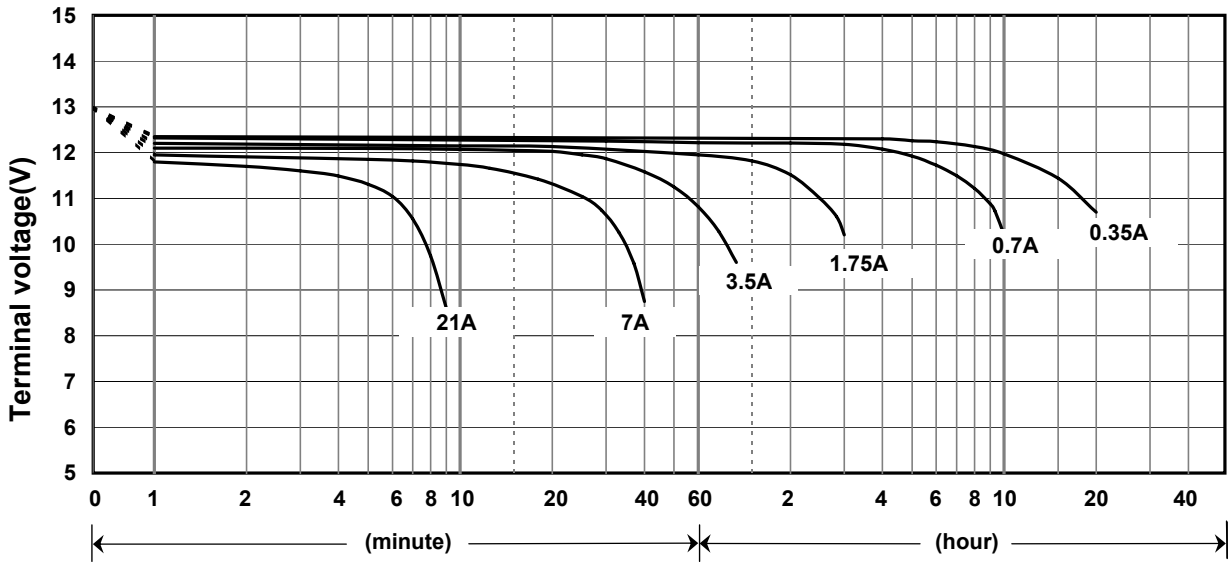
■Constant-voltage and constant-current charge characteristics



■Discharge capacity by temperature and by discharge current



■Discharge characteristics (25℃)



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