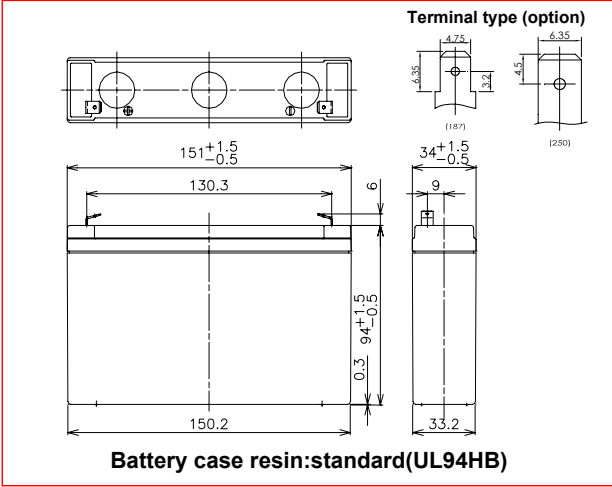


UP-RW0645

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



Dimensions(mm)



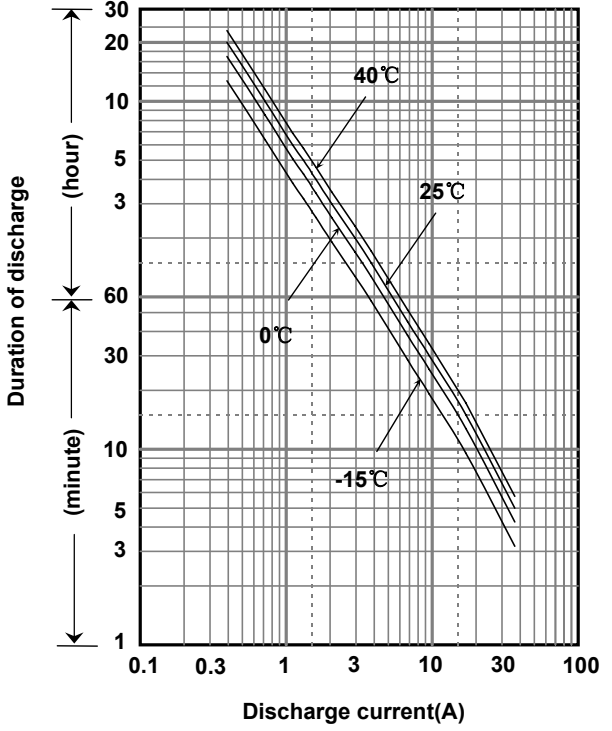
Specification

Nominal Voltage		6V
Nominal Capacity		45W/cell@10MR
Dimensions	Length	151 mm
	Width	34 mm
	Height	94 mm
	Total height	100 mm
Approx. Mass		1.30 kg
Terminal		Faston 187 & 250

Characteristics

Capacity (25 °C)	30 minute rate	56W
	15 minute rate	97W
	10 minute rate	134W
	5 minute rate	205W
Internal Resistance	Fully charged battery (25 °C)	10 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%

Duration of discharge vs. discharge current



Watt Table(25°C)

Cut-off V	(Wattage/Battery)																	
	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h	
4.80V	265	205	134	97.5	79.5	56.0	41.1	32.8	22.6	17.5	13.0	10.0	8.25	6.63	4.39	2.38	1.99	
4.95V	254	200	131	97.2	78.9	55.9	40.8	32.8	22.1	17.3	12.9	9.92	8.18	6.60	4.37	2.37	1.98	
5.10V	245	195	129	96.5	78.0	55.5	40.4	32.2	21.7	16.9	12.8	9.86	8.12	6.55	4.33	2.37	1.97	
5.25V	231	180	123	93.4	75.4	55.0	39.3	31.5	20.8	16.4	12.8	9.85	8.07	6.48	4.31	2.36	1.97	
5.40V	217	165	117	90.0	73.0	54.5	39.1	30.9	20.6	15.5	12.4	9.66	7.85	6.37	4.26	2.35	1.95	

Ampere Table(25°C)

Cut-off V	(Ampere/Battery)																	
	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h	
4.80V	47.7	36.8	23.9	17.0	13.7	9.57	6.99	5.57	3.82	2.95	2.19	1.67	1.38	1.11	0.732	0.397	0.331	
4.95V	45.8	35.9	23.5	16.9	13.6	9.55	6.95	5.50	3.75	2.93	2.17	1.66	1.37	1.10	0.729	0.396	0.330	
5.10V	44.1	35.0	23.0	16.8	13.5	9.49	6.88	5.46	3.67	2.86	2.15	1.65	1.36	1.09	0.721	0.394	0.329	
5.25V	41.6	32.3	22.0	16.3	13.0	9.40	6.70	5.35	3.53	2.77	2.11	1.64	1.35	1.08	0.718	0.393	0.328	
5.40V	39.0	29.6	20.9	15.7	12.6	9.32	6.67	5.25	3.50	2.62	2.08	1.62	1.31	1.06	0.710	0.391	0.326	

Charging Method

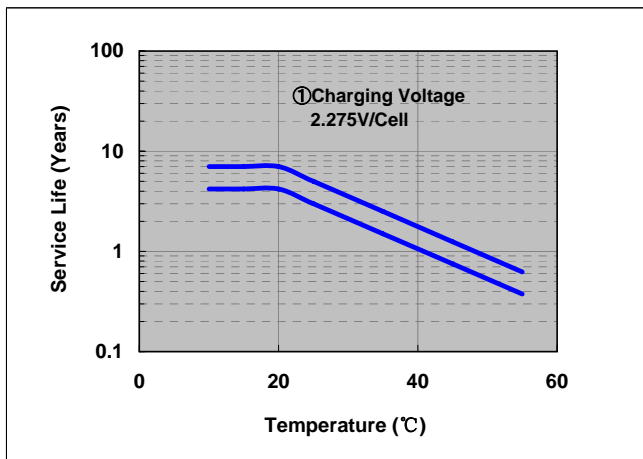
(25°C)

Trickle use	Control voltage 6.80-6.90V; Initial current 1.2A or smaller
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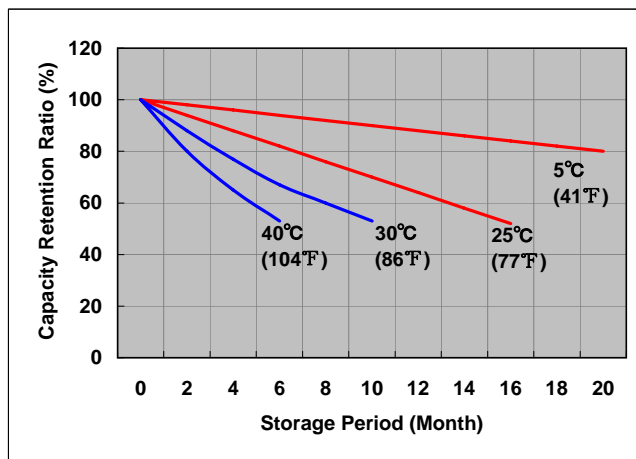
Cut off voltage

Discharge current	0.4A-1.6A	1.6A-4.0A	4.0A-8.0A	8.0A-16.0A	16.0A-24.0A
Cut off voltage (V)	5.25	5.10	4.95	4.65	4.35

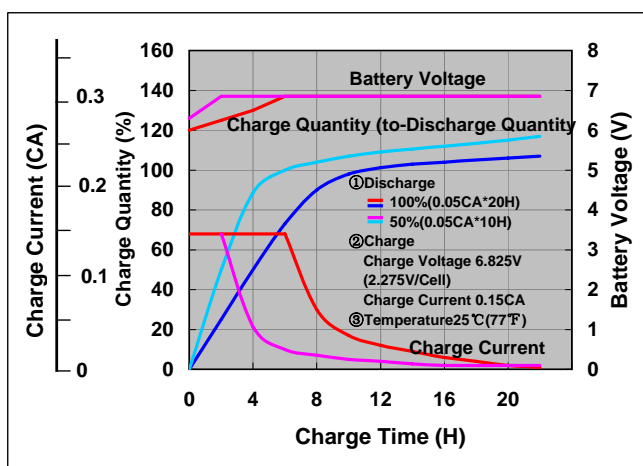
Influence of Temperature on Trickle life



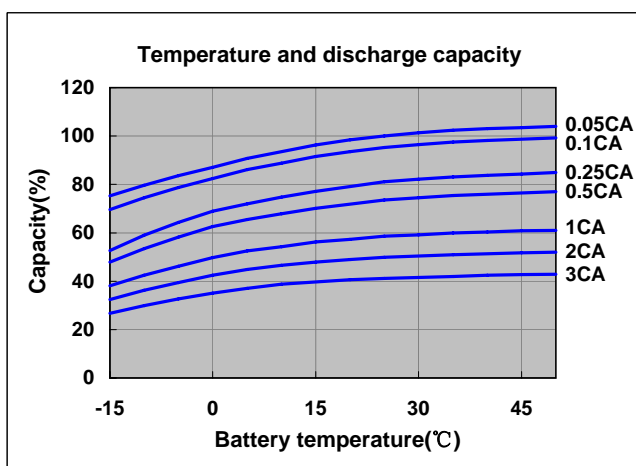
Residual capacity test result



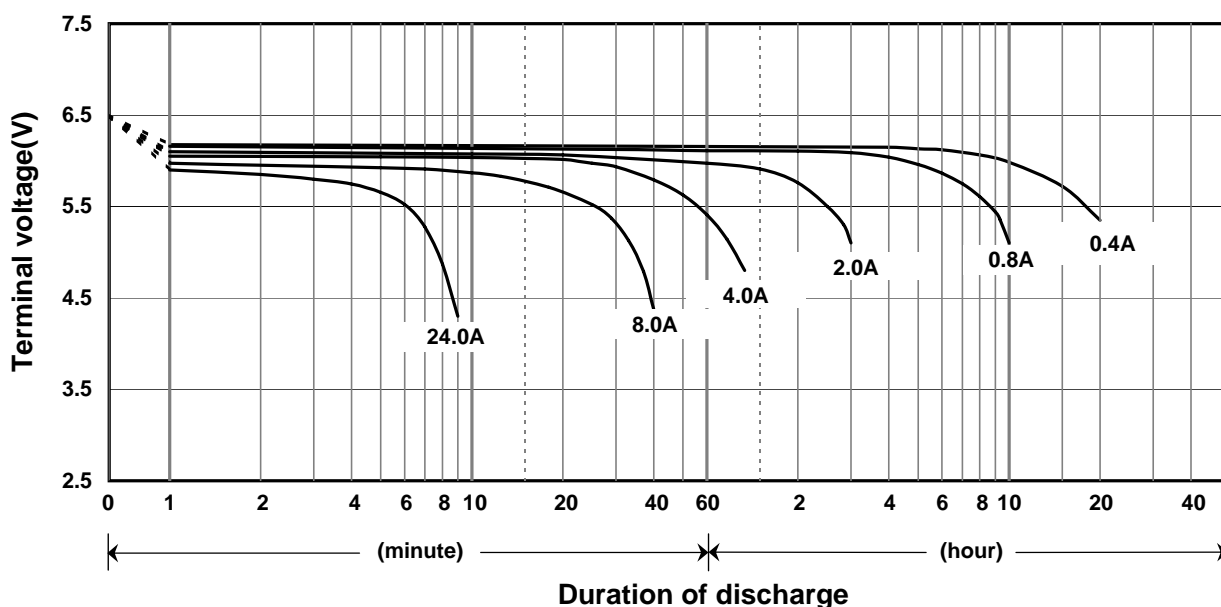
Constant-voltage and constant-current charge characteristics



Discharge capacity by temperature and by discharge current



Discharge characteristics (25°C)

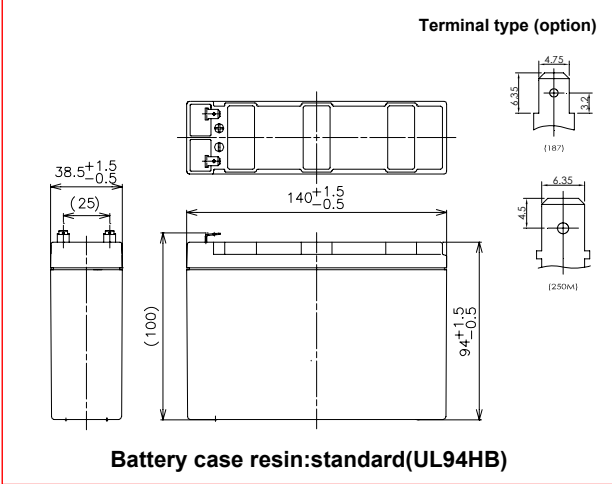


UP-RW1220

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



■Dimensions(mm)



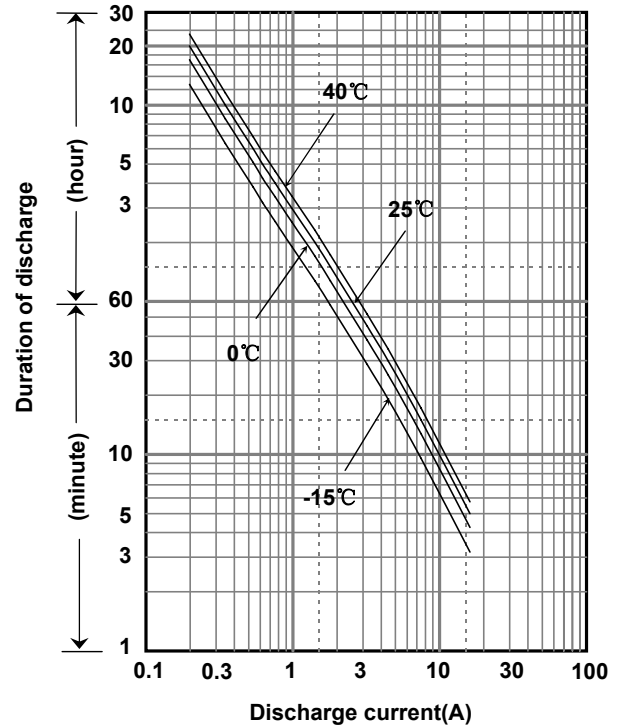
■Specification

Nominal Voltage	12V	
Nominal Capacity	20W/cell@10MR	
Dimensions	Length	140 mm
	Width	38.5 mm
	Height	94 mm
	Total height	100 mm
Approx. Mass	1.30 kg	
Terminal	Faston 187 & 250M	

■Characteristics

Capacity (25 °C)	30 minute rate	57W
	15 minute rate	91W
	10 minute rate	120W
	5 minute rate	180W
Internal Resistance	Fully charged battery (25 °C)	40 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%

■Duration of discharge vs. discharge current



■Watt Table(25°C)

(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	237	180	120	91.0	75.0	57.0	41.8	33.4	23.0	17.8	13.2	10.2	8.39	6.75	4.47	2.42	2.02
9.9V	227	173	116	89.1	74.0	54.5	39.3	31.6	21.3	16.7	12.5	9.56	7.88	6.36	4.21	2.29	1.91
10.2V	217	167	113	87.0	73.0	52.0	37.9	30.2	20.3	15.9	12.0	9.24	7.60	6.14	4.05	2.22	1.85
10.5V	197	152	108	84.5	69.5	49.5	35.4	28.3	18.7	14.8	11.6	8.86	7.26	5.83	3.88	2.12	1.77
10.8V	177	137	102	82.0	66.0	47.0	33.7	26.6	17.8	13.4	10.7	8.33	6.77	5.49	3.68	2.02	1.69

■Ampere Table(25°C)

(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	21.3	16.1	10.7	7.91	6.47	4.87	3.56	2.84	1.95	1.50	1.11	0.851	0.701	0.563	0.373	0.231	0.169
9.9V	20.4	15.6	10.4	7.75	6.38	4.62	3.35	2.68	1.80	1.41	1.05	0.800	0.658	0.530	0.351	0.217	0.159
10.2V	19.5	15.0	10.1	7.57	6.29	4.44	3.23	2.56	1.72	1.34	1.01	0.773	0.635	0.512	0.338	0.211	0.154
10.5V	17.7	13.7	9.60	7.35	5.99	4.23	3.02	2.41	1.59	1.25	0.971	0.742	0.606	0.487	0.323	0.202	0.148
10.8V	15.9	12.3	9.11	7.13	5.69	4.02	2.87	2.26	1.51	1.13	0.895	0.697	0.565	0.458	0.306	0.193	0.140

■ Charging Method

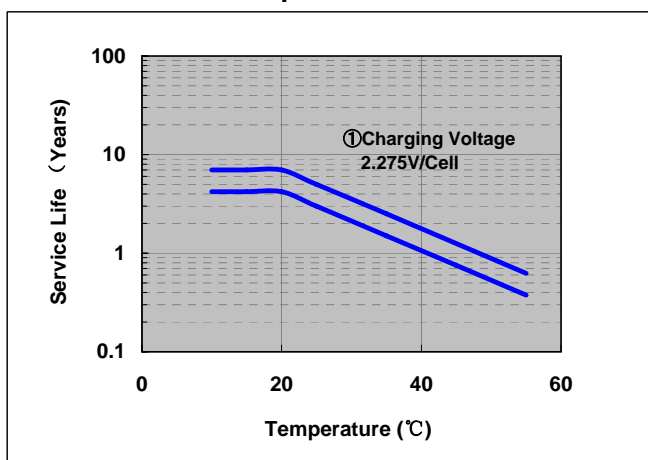
(25°C)

Trickle use	Control voltage:13.6-13.8V;Initial current:0.6A or smaller
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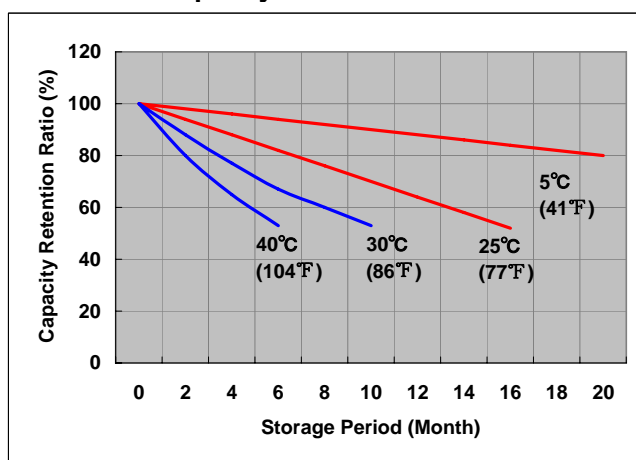
■ Cut off voltage

Discharge current	0.2A-0.8A	0.8A-2.0A	2.0A-4.0A	4.0A-8.0A	8.0A-12.0A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

■ Influence of Temperature on Trickle life

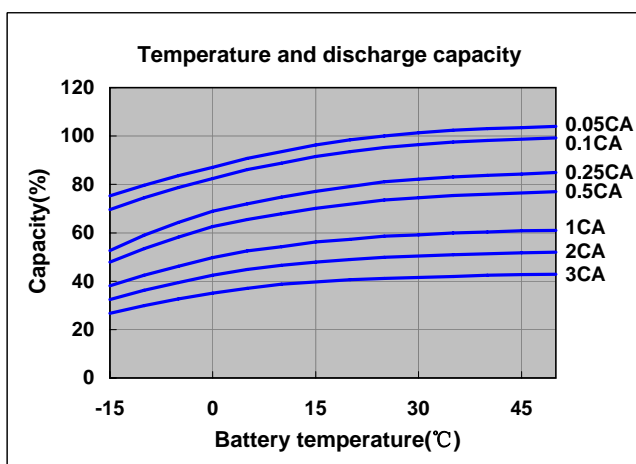
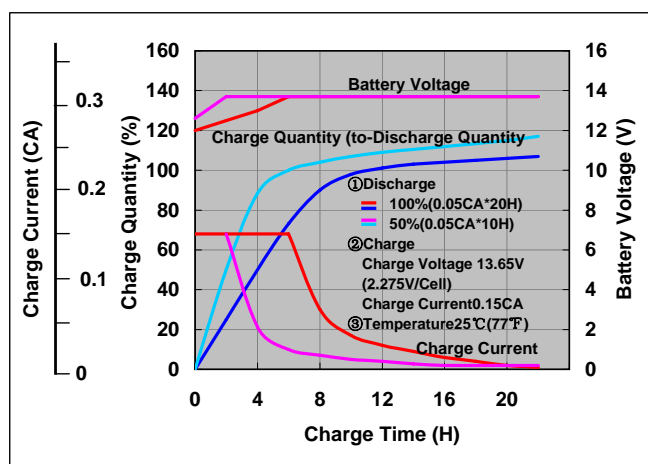


■ Residual capacity test result

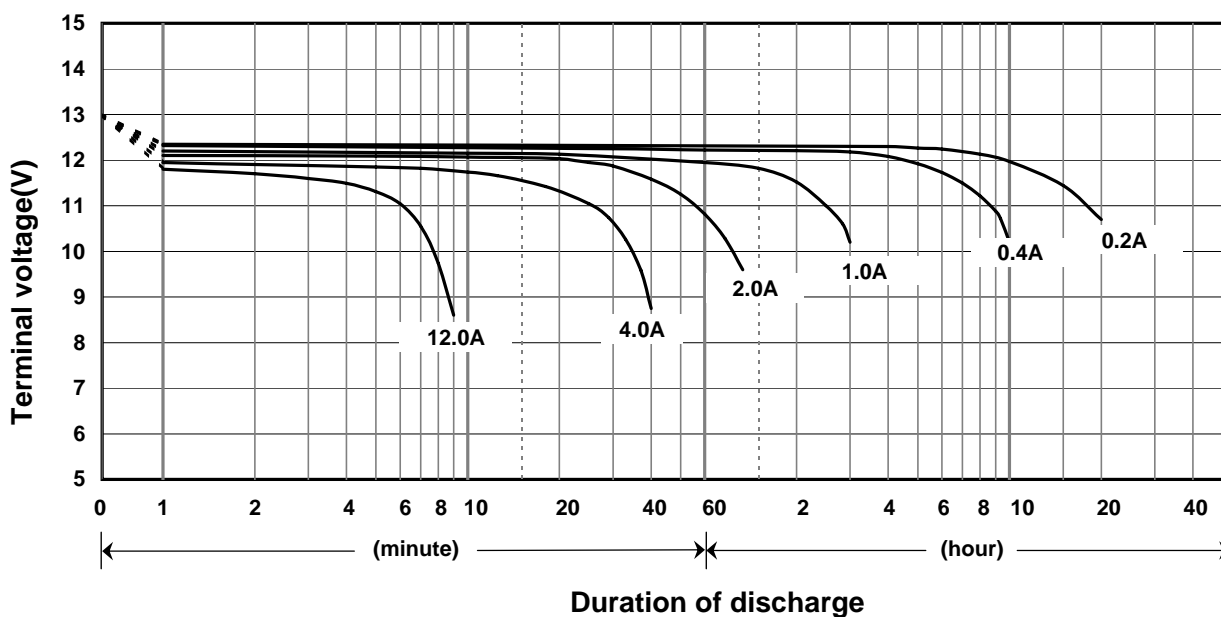


■ Constant-voltage and constant-current charge characteristics

■ Discharge capacity by temperature and by discharge current



■ Discharge characteristics (25°C)



UP-RW1228

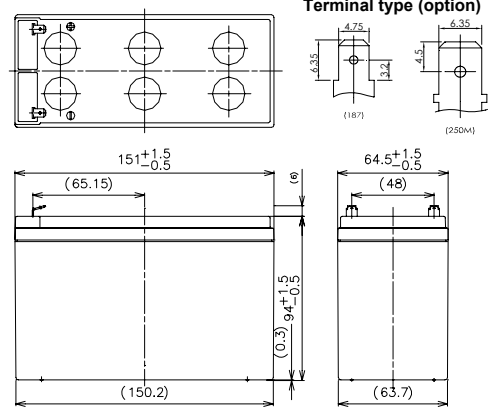
For standby power supplies

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



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

■Dimensions(mm)



Battery case resin:standard(UL94HB)

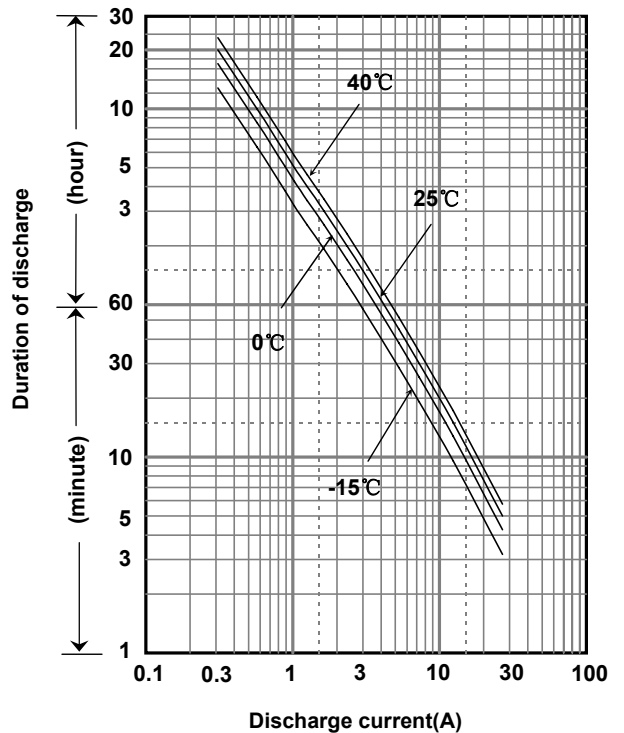
■Specification

Nominal Voltage		12V
Nominal Capacity		28Wh/cell@10MR
Dimensions	Length	151 mm
	Width	64.5 mm
	Height	94 mm
	Total height	100 mm
Approx. Mass		1.85 kg
Terminal		Faston 187 & 250M

■Characteristics

Capacity (25 °C)	30 minute rate	80W
	15 minute rate	151W
	10 minute rate	200W
	5 minute rate	210W
Internal Resistance	Fully charged battery (25 °C)	23 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%

■Duration of discharge vs. discharge current



■Watt Table(25°C)

Cut-off V	(Wattage/Battery)																
	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	415	320	200	151	113	80.4	60.0	50.4	37.2	28.8	20.1	15.2	12.5	10.3	6.26	3.01	2.46
9.9V	391	274	170	144	109	78.7	59.6	49.2	36.4	28.6	20.0	15.1	12.4	10.1	6.23	3.00	2.46
10.2V	365	261	165	137	106	77.0	57.1	47.8	34.5	27.0	19.2	14.8	11.9	9.85	5.97	2.90	2.37
10.5V	331	237	158	131	101	74.1	55.6	46.8	33.2	26.2	18.8	14.5	11.8	9.75	5.94	2.89	2.36
10.8V	298	213	149	125	96.9	71.2	52.1	43.2	31.0	23.3	17.4	13.4	10.8	9.02	5.53	2.71	2.21

■Ampere Table(25°C)

Cut-off V	(Ampere/Battery)																
	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	35.6	26.9	16.6	13.2	10.7	8.01	5.86	4.67	3.20	2.47	1.83	1.40	1.15	0.926	0.613	0.332	0.277
9.9V	33.5	25.6	16.1	12.6	10.3	7.85	5.82	4.55	3.14	2.45	1.82	1.39	1.14	0.922	0.610	0.331	0.276
10.2V	31.4	24.4	15.7	11.9	10.0	7.68	5.58	4.43	2.97	2.32	1.74	1.34	1.10	0.885	0.584	0.320	0.266
10.5V	28.5	22.1	15.0	11.4	9.57	7.40	5.43	4.33	2.86	2.24	1.68	1.29	1.05	0.876	0.581	0.310	0.257
10.8V	25.6	19.9	14.2	10.9	9.17	7.11	5.08	4.00	2.67	2.00	1.58	1.23	1.00	0.810	0.542	0.298	0.248

Charging Method

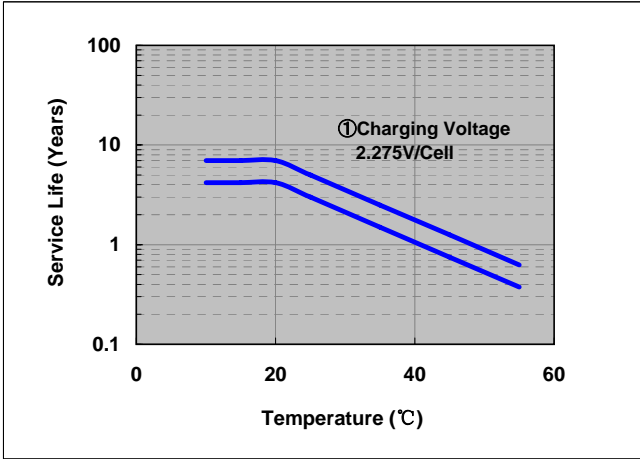
(25°C)

Trickle use	Control voltage:13.6-13.8V;Initial current 0.87A or smaller
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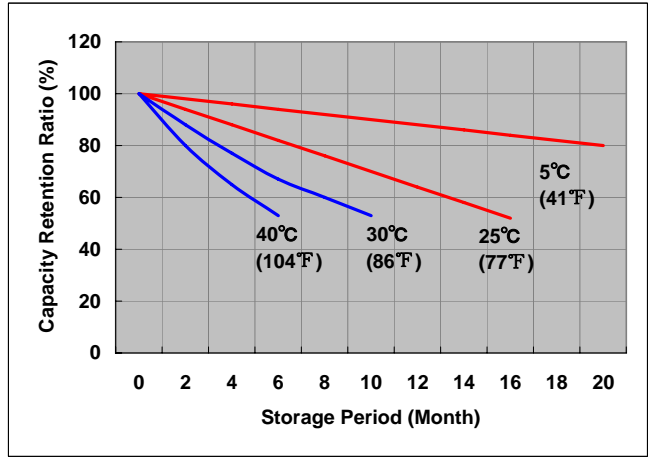
Cut off voltage

Discharge current	0.29A-1.16A	1.16A-2.90A	2.9A-5.8A	5.8A-11.6A	11.6A-17.4A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

Influence of Temperature on Trickle life

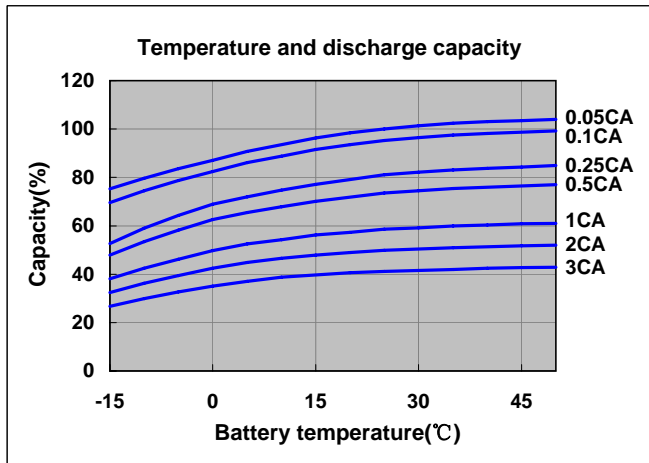
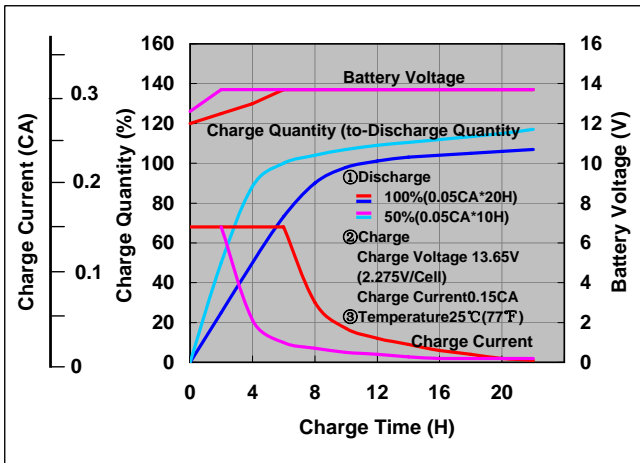


Residual capacity test result

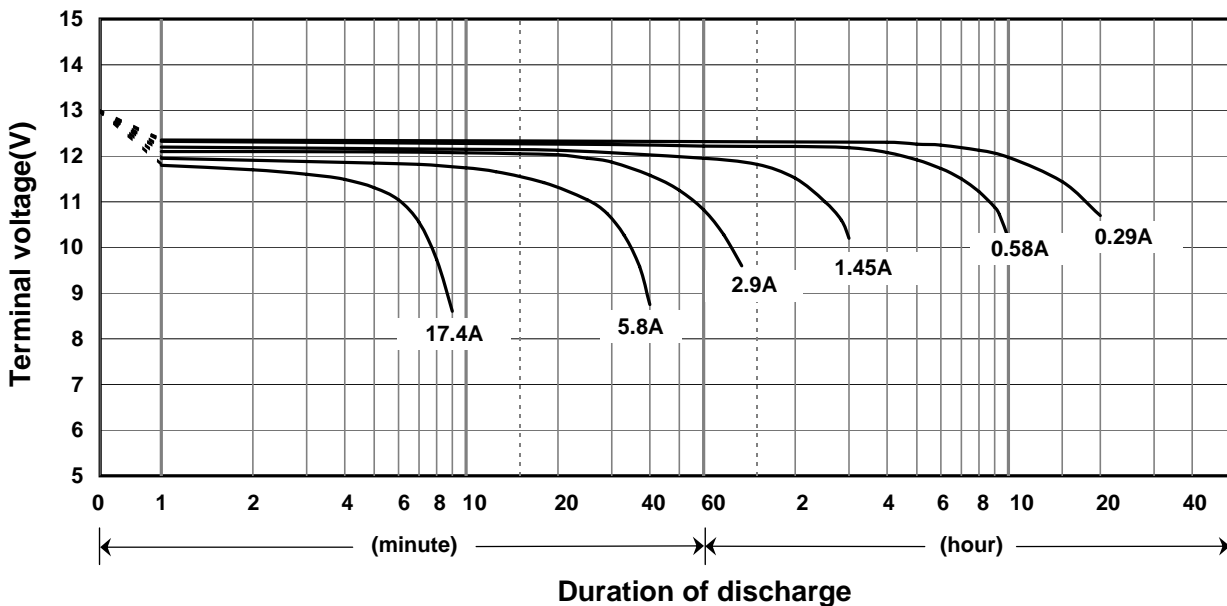


Constant-voltage and constant-current charge characteristics

Discharge capacity by temperature and by discharge current



Discharge characteristics (25°C)

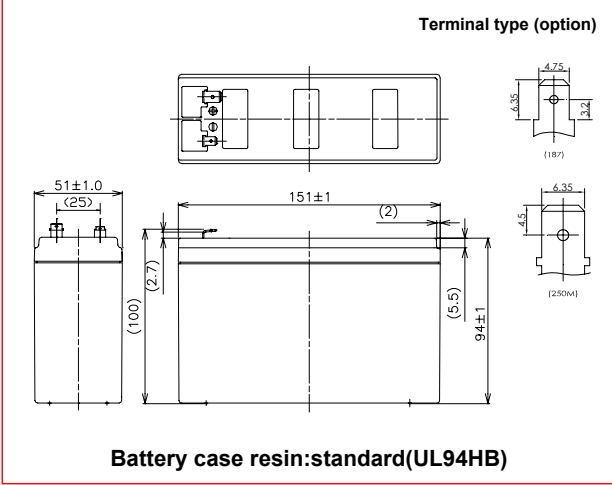


UP-RWA1232

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



■Dimensions(mm)



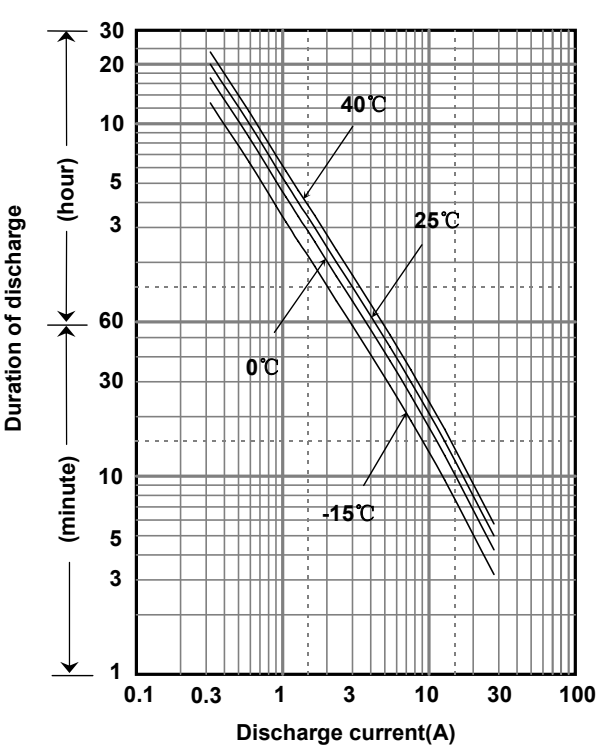
■Specification

Nominal Voltage	12V	
Nominal Capacity	32W/cell@10MR	
Dimensions	Length	151 mm
	Width	51 mm
	Height	94 mm
	Total height	100 mm
Approx. Mass	2.00 kg	
Terminal	Faston 187 & 250M	

■Characteristics

Capacity (25 °C)	30 minute rate	97W
	15 minute rate	165W
	10 minute rate	210W
	5 minute rate	339W
Internal Resistance	Fully charged battery (25 °C)	25 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%

■Duration of discharge vs. discharge current



■Watt Table(25°C)

Cut-off V	(Wattage/Battery)																
	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	444	339	210	165	130	97.0	71.1	56.9	41.8	31.5	22.5	16.6	13.8	11.7	7.39	3.86	3.17
9.9V	418	290	179	157	127	95.0	70.7	55.5	40.9	31.3	22.4	16.5	13.7	11.4	7.36	3.85	3.16
10.2V	391	276	174	149	124	93.0	67.7	53.9	38.8	29.6	21.5	15.9	13.2	11.2	7.04	3.72	3.05
10.5V	355	251	166	143	118	89.5	65.9	52.8	37.3	28.6	20.3	15.8	13.1	11.1	7.01	3.71	3.04
10.8V	318	226	157	137	113	86.0	61.7	48.8	34.8	25.5	19.5	14.6	12.0	10.3	6.53	3.47	2.84

■Ampere Table(25°C)

Cut-off V	(Ampere/Battery)																
	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	0.958	0.634	0.344	0.287
9.9V	34.7	26.5	16.7	13.0	10.7	8.12	6.02	4.71	3.25	2.54	1.88	1.44	1.18	0.954	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	0.916	0.604	0.331	0.276
10.5V	29.5	22.9	15.5	11.8	9.90	7.65	5.61	4.48	2.96	2.32	1.76	1.33	1.07	0.906	0.602	0.320	0.275
10.8V	26.4	20.6	14.6	11.3	9.48	7.35	5.26	4.14	2.76	2.07	1.64	1.28	1.03	0.838	0.560	0.309	0.257

■ Charging Method

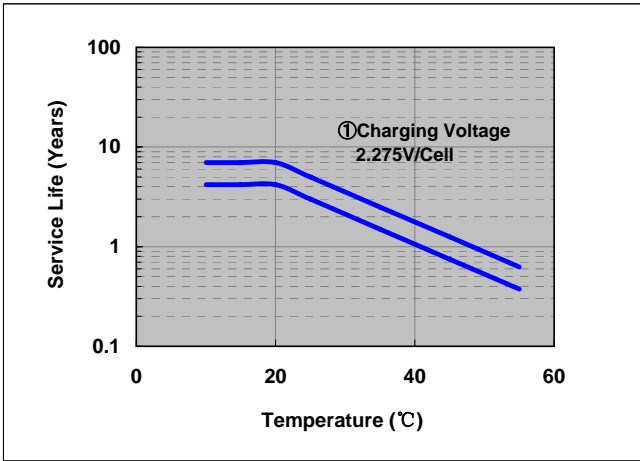
(25°C)

Trickle use	Control voltage:13.6-13.8V;Initial current 0.9A or smaller
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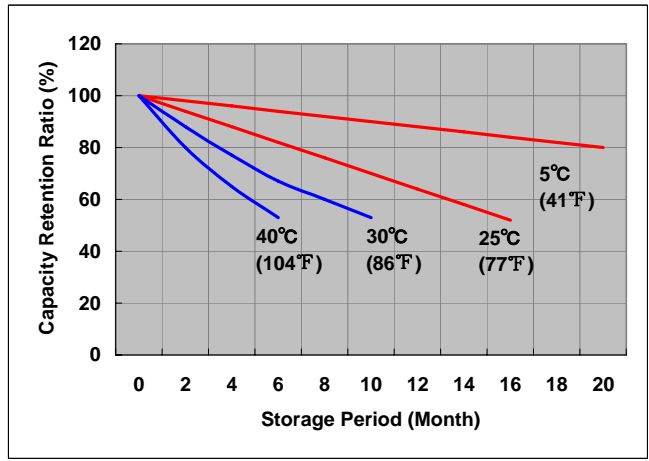
■ Cut off voltage

Discharge current	0.3A-1.2A	1.2A-3.0A	3.0A-6.0A	6.0A-12.0A	12.0A-18.0A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

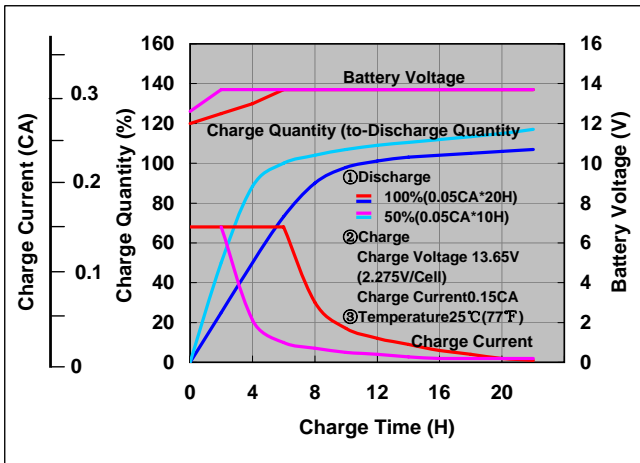
■ Influence of Temperature on Trickle life



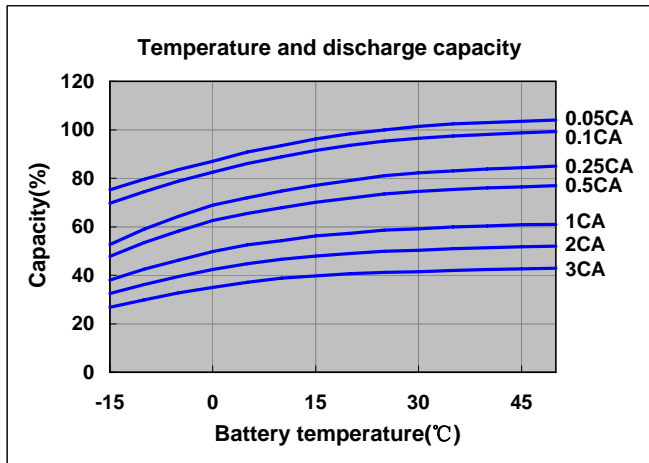
■ Residual capacity test result



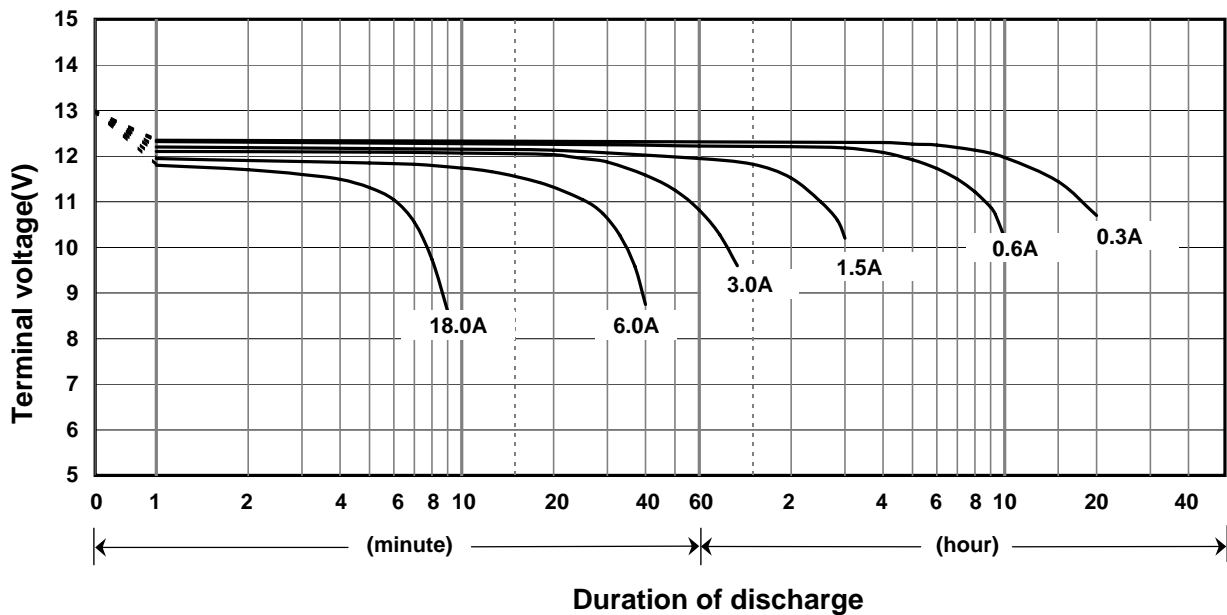
■ Constant-voltage and constant-current charge characteristics



■ Discharge capacity by temperature and by discharge current



■ Discharge characteristics (25°C)

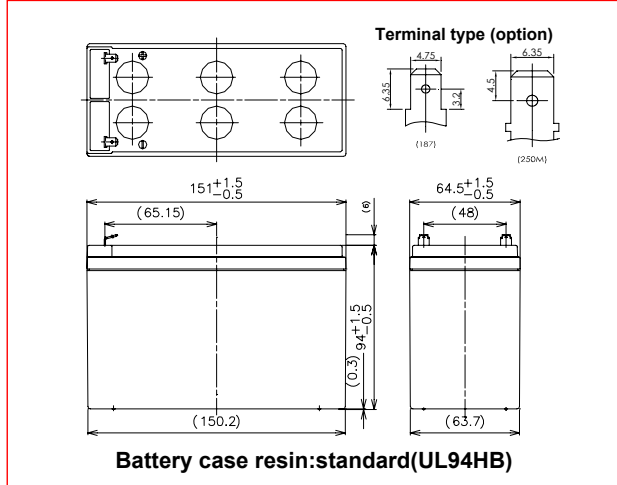


UP-RW1236

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



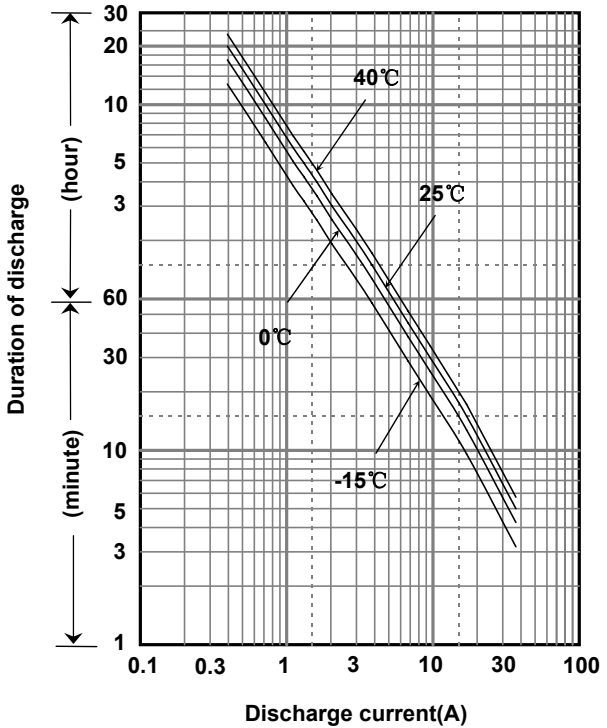
Dimensions(mm)



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	102W
	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)

Cut-off V	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	461	348	224	169	140	102	73.3	58.3	44.1	34.5	24.3	18.6	15.1	12.7	7.60	4.02	3.33
9.9V	434	298	190	161	135	99.5	72.8	56.9	43.3	34.2	24.2	18.4	15.0	12.4	7.56	4.01	3.32
10.2V	406	283	185	153	131	97.4	69.8	55.3	41.0	32.3	23.1	18.1	14.4	12.1	7.24	3.87	3.20
10.5V	368	258	177	146	125	93.7	67.9	54.1	39.4	31.3	22.6	17.7	14.3	12.0	7.21	3.86	3.19
10.8V	331	232	167	140	120	90.1	63.6	50.0	36.8	27.9	21.0	16.4	13.1	11.1	6.72	3.61	2.98

Ampere Table(25°C)

Cut-off V	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	38.1	28.7	17.7	14.1	11.4	8.57	6.26	4.99	3.42	2.64	1.96	1.50	1.23	0.990	0.655	0.355	0.296
9.9V	35.9	27.4	17.3	13.4	11.0	8.39	6.22	4.85	3.35	2.62	1.95	1.49	1.22	0.986	0.652	0.354	0.295
10.2V	33.5	26.0	16.8	12.8	10.7	8.21	5.96	4.73	3.18	2.48	1.86	1.43	1.17	0.946	0.624	0.342	0.285
10.5V	30.4	23.7	16.0	12.2	10.2	7.91	5.80	4.63	3.05	2.40	1.82	1.37	1.10	0.936	0.622	0.330	0.284
10.8V	27.3	21.3	15.1	11.7	9.80	7.60	5.43	4.28	2.85	2.14	1.69	1.32	1.07	0.866	0.579	0.319	0.265

Charging Method

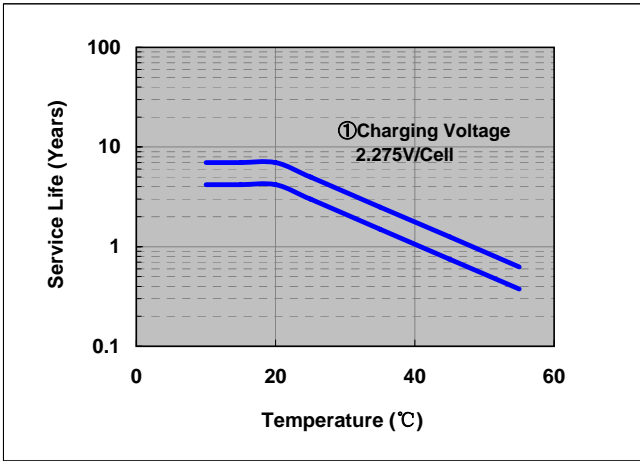
(25°C)

Trickle use	Control voltage:13.6-13.8V;Initial current 0.93A or smaller
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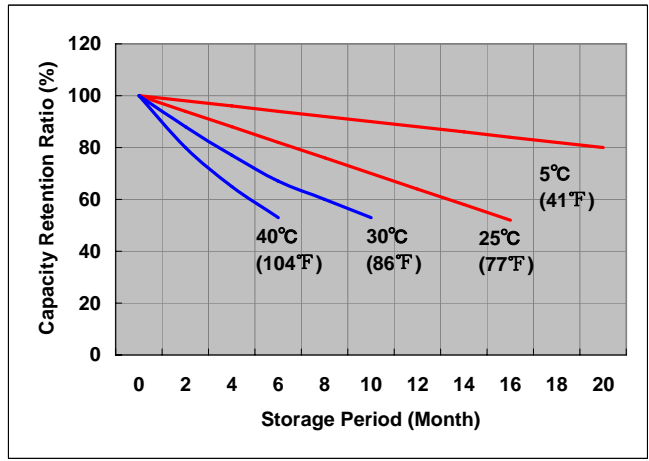
Cut off voltage

Discharge current	0.31A-1.24A	1.24A-3.10A	3.1A-6.2A	6.2A-12.4A	12.4A-18.6A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

Influence of Temperature on Trickle life

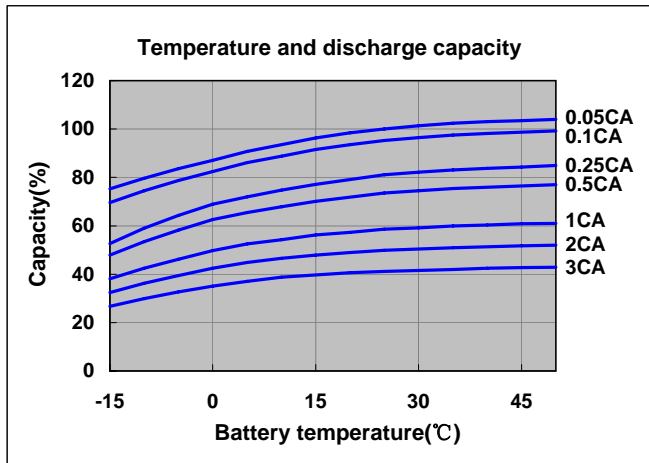
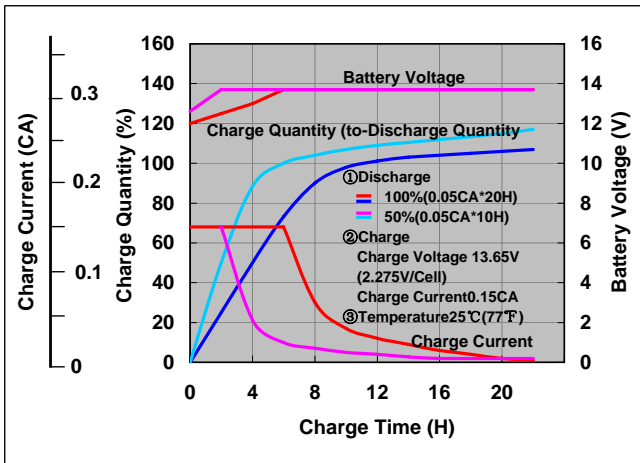


Residual capacity test result

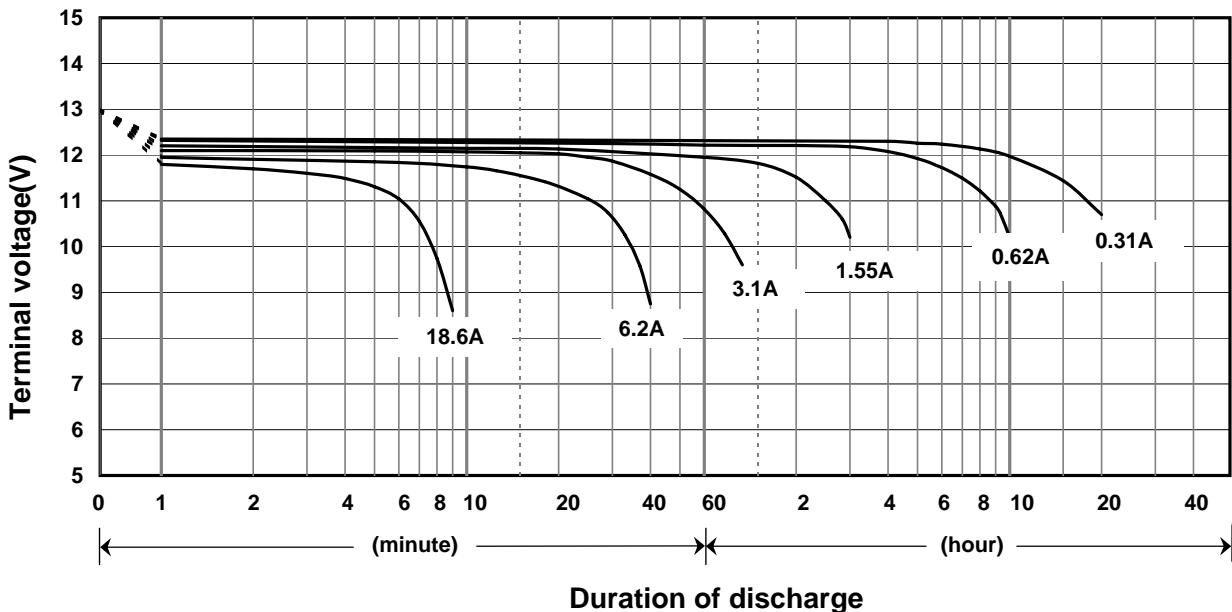


Constant-voltage and constant-current charge characteristics

Discharge capacity by temperature and by discharge current



Discharge characteristics (25°C)

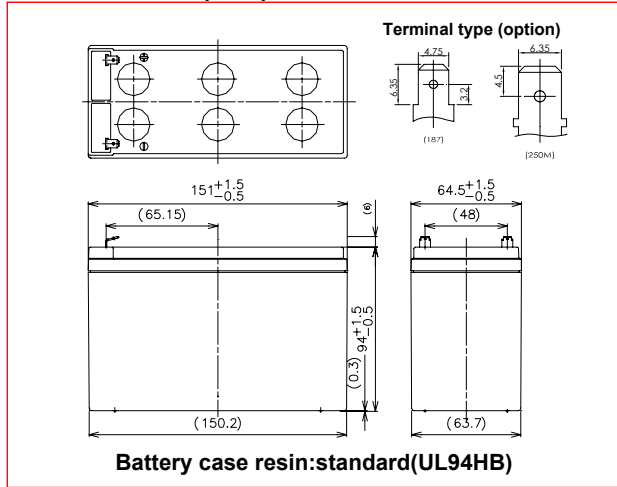


UP-RW1245

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



■Dimensions(mm)



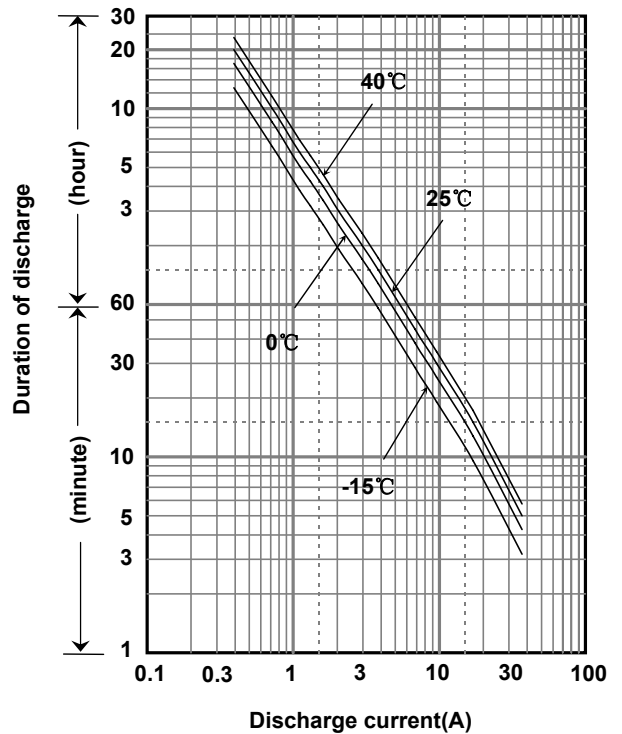
■Specification

Nominal Voltage	12V	
Nominal Capacity	45W/cell@10MR	
Dimensions	Length	151 mm
	Width	64.5 mm
	Height	94 mm
	Total height	100 mm
Approx. Mass	2.55 kg	
Terminal	Faston 187 & 250M	

■Characteristics

Capacity (25 °C)	30 minute rate	112W
	15 minute rate	195W
	10 minute rate	268W
	5 minute rate	410W
Internal Resistance	Fully charged battery (25 °C)	20 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%

■Duration of discharge vs. discharge current



■Watt Table(25°C)

(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	530	410	268	195	159	112	82.1	65.7	45.2	34.9	26.0	20.0	16.5	13.3	8.79	4.76	3.97
9.9V	509	400	263	194	158	112	81.6	65.7	44.3	34.7	25.9	19.8	16.4	13.2	8.75	4.75	3.96
10.2V	490	390	258	193	156	111	80.8	64.4	43.4	33.9	25.6	19.7	16.2	13.1	8.65	4.73	3.95
10.5V	463	360	246	187	151	110	78.7	63.0	41.7	32.8	25.7	19.7	16.1	13.0	8.62	4.72	3.93
10.8V	434	330	234	180	146	109	78.3	61.8	41.3	31.1	24.7	19.3	15.7	12.7	8.52	4.69	3.91

■Ampere Table(25°C)

(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	47.7	36.8	23.9	17.0	13.7	9.57	6.99	5.57	3.82	2.95	2.19	1.67	1.38	1.11	0.732	0.397	0.331
9.9V	45.8	35.9	23.5	16.9	13.6	9.55	6.95	5.50	3.75	2.93	2.17	1.66	1.37	1.10	0.729	0.396	0.330
10.2V	44.1	35.0	23.0	16.8	13.5	9.49	6.88	5.46	3.67	2.86	2.15	1.65	1.36	1.09	0.721	0.394	0.329
10.5V	41.6	32.3	22.0	16.3	13.0	9.40	6.70	5.35	3.53	2.77	2.11	1.64	1.35	1.08	0.718	0.393	0.328
10.8V	39.0	29.6	20.9	15.7	12.6	9.32	6.67	5.25	3.50	2.62	2.08	1.62	1.31	1.06	0.710	0.391	0.326

■ Charging Method

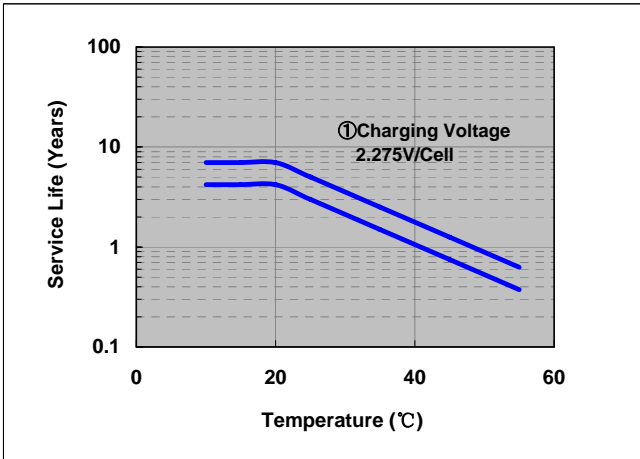
(25°C)

Trickle use	Control voltage:13.6-13.8V;Initial current:1.2A or smaller
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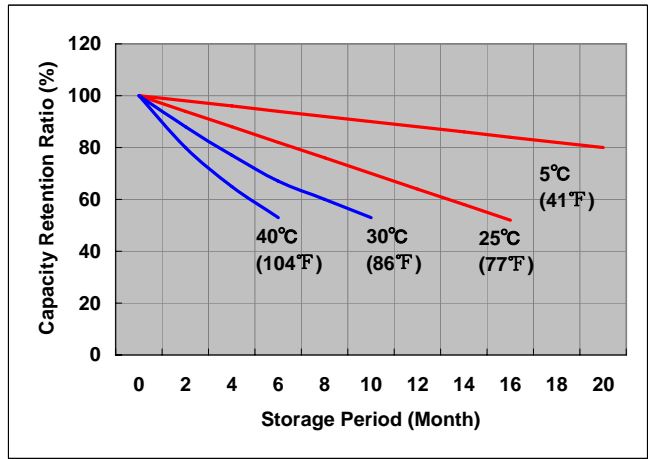
■ Cut off voltage

Discharge current	0.4A-1.6A	1.6A-4.0A	4.0A-8.0A	8.0A-16.0A	16.0A-24.0A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

■ Influence of Temperature on Trickle life

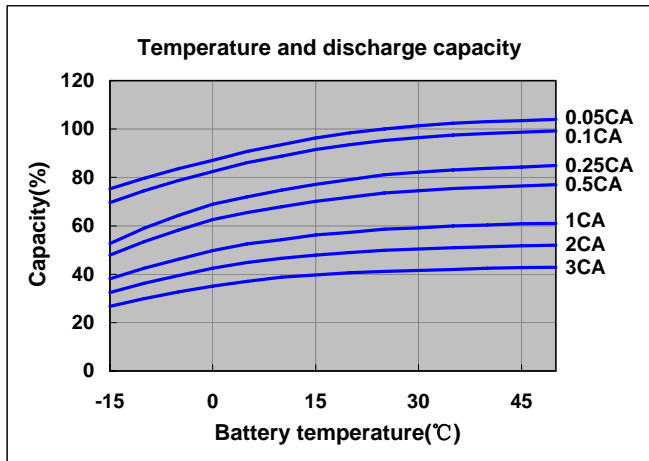
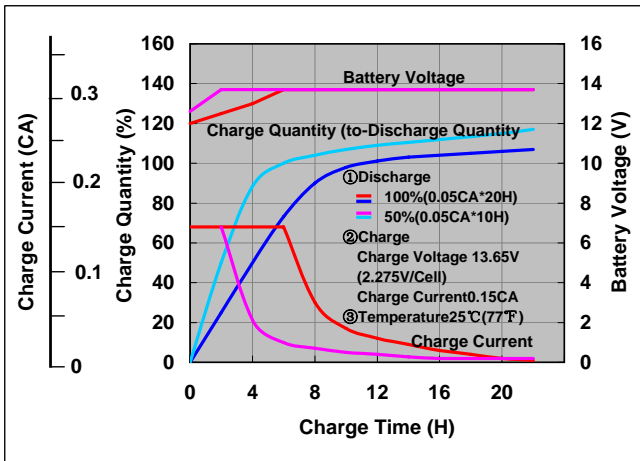


■ Residual capacity test result

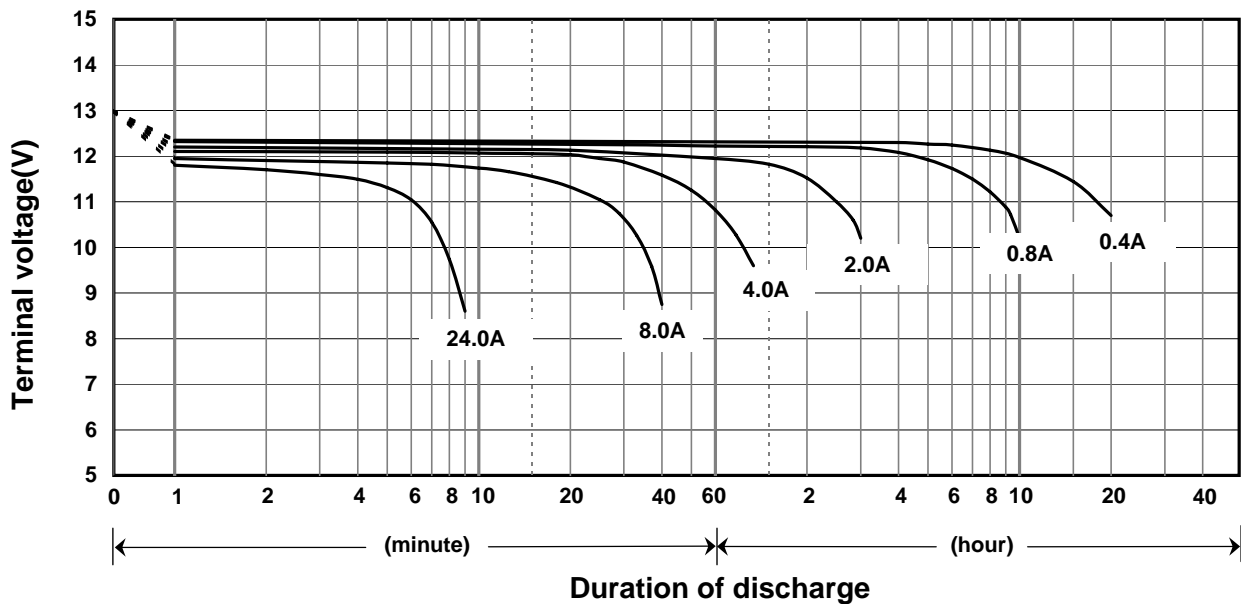


■ Constant-voltage and constant-current charge characteristics

■ Discharge capacity by temperature and by discharge current



■ Discharge characteristics (25°C)



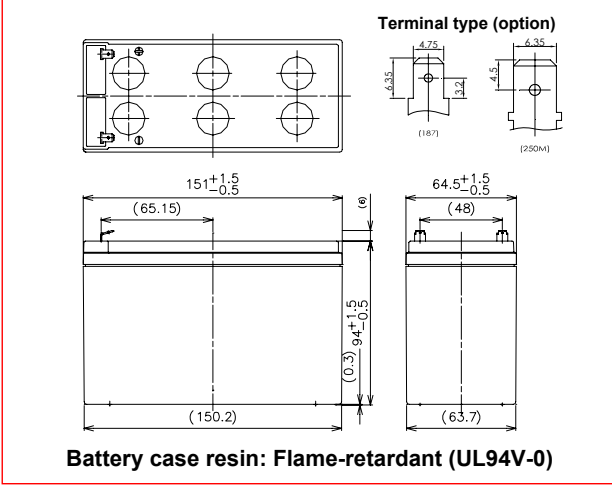
UP-PW1245

For standby power supplies
Expected trickle life: Approx. 6 years at 25°C, approx. 10 years at 20°C



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

Dimensions (mm)



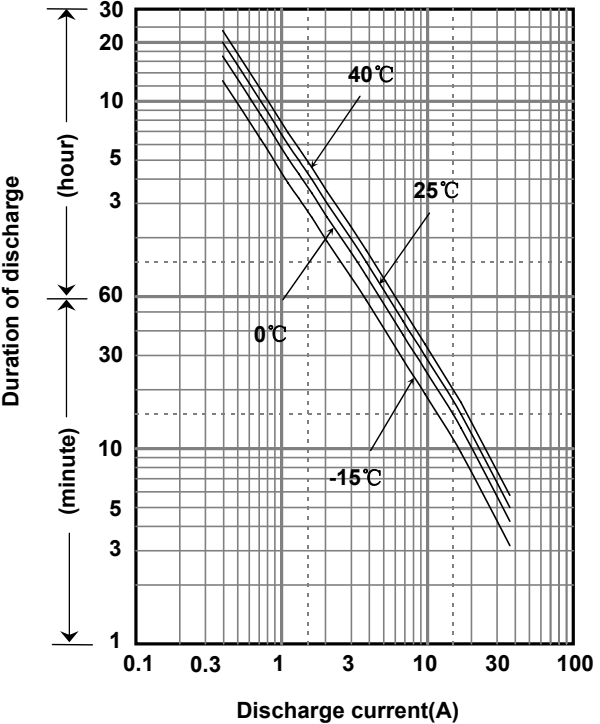
Specification

Nominal Voltage	12V	
Nominal Capacity	45W/cell@10MR	
Dimensions	Length	151 mm
	Width	64.5 mm
	Height	94 mm
	Total height	100 mm
Approx. Mass	2.55 kg	
Terminal	Faston 187 & 250M	

Characteristics

Capacity (25 °C)	30 minute rate	112W
	15 minute rate	195W
	10 minute rate	268W
	5 minute rate	410W
Internal Resistance	Fully charged battery (25 °C)	20 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%

Duration of discharge vs. discharge current



Watt Table (25°C)

Cut-off V	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	530	410	268	195	159	112	82.1	65.7	45.2	34.9	26.0	20.0	16.5	13.3	8.79	4.76	3.97
9.9V	509	400	263	194	158	112	81.6	65.7	44.3	34.7	25.9	19.8	16.4	13.2	8.75	4.75	3.96
10.2V	490	390	258	193	156	111	80.8	64.4	43.4	33.9	25.6	19.7	16.2	13.1	8.65	4.73	3.95
10.5V	463	360	246	187	151	110	78.7	63.0	41.7	32.8	25.7	19.7	16.1	13.0	8.62	4.72	3.93
10.8V	434	330	234	180	146	109	78.3	61.8	41.3	31.1	24.7	19.3	15.7	12.7	8.52	4.69	3.91

Ampere Table (25°C)

Cut-off V	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	47.7	36.8	23.9	17.0	13.7	9.57	6.99	5.57	3.82	2.95	2.19	1.67	1.38	1.11	0.732	0.397	0.331
9.9V	45.8	35.9	23.5	16.9	13.6	9.55	6.95	5.50	3.75	2.93	2.17	1.66	1.37	1.10	0.729	0.396	0.330
10.2V	44.1	35.0	23.0	16.8	13.5	9.49	6.88	5.46	3.67	2.86	2.15	1.65	1.36	1.09	0.721	0.394	0.329
10.5V	41.6	32.3	22.0	16.3	13.0	9.40	6.70	5.35	3.53	2.77	2.11	1.64	1.35	1.08	0.718	0.393	0.328
10.8V	39.0	29.6	20.9	15.7	12.6	9.32	6.67	5.25	3.50	2.62	2.08	1.62	1.31	1.06	0.710	0.391	0.326

■ Charging Method

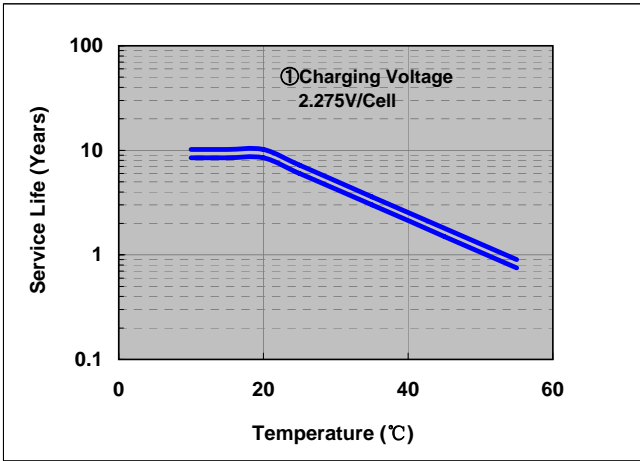
(25°C)

Trickle use	Control voltage:13.6-13.8V;Initial current:1.2A or smaller
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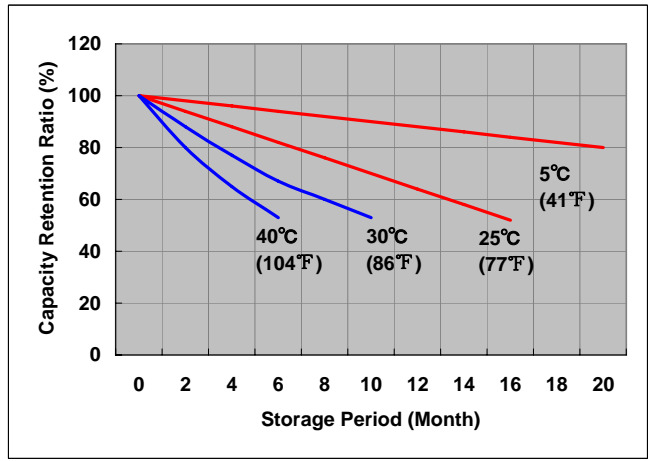
■ Cut off voltage

Discharge current	0.4A-1.6A	1.6A-4.0A	4.0A-8.0A	8.0A-16.0A	16.0A-24.0A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

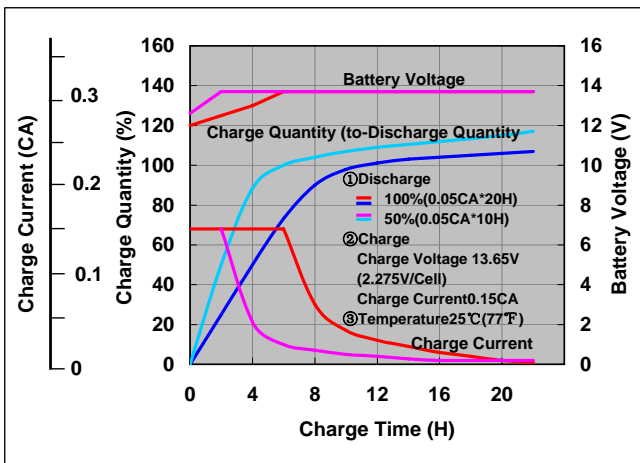
■ Influence of Temperature on Trickle life



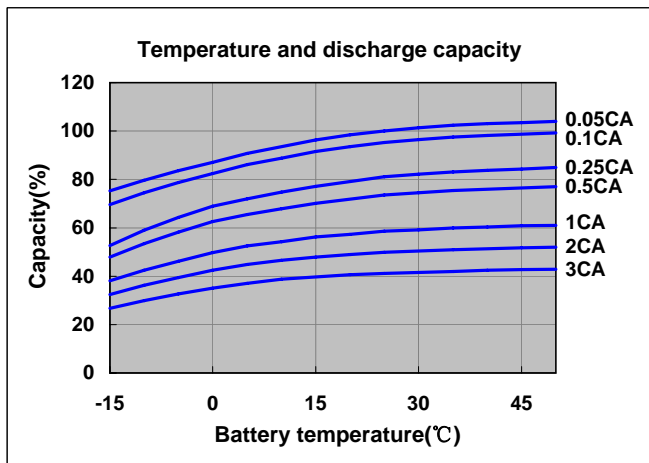
■ Residual capacity test result



■ Constant-voltage and constant-current charge characteristics



■ Discharge capacity by temperature and by discharge current



■ Discharge characteristics (25°C)

