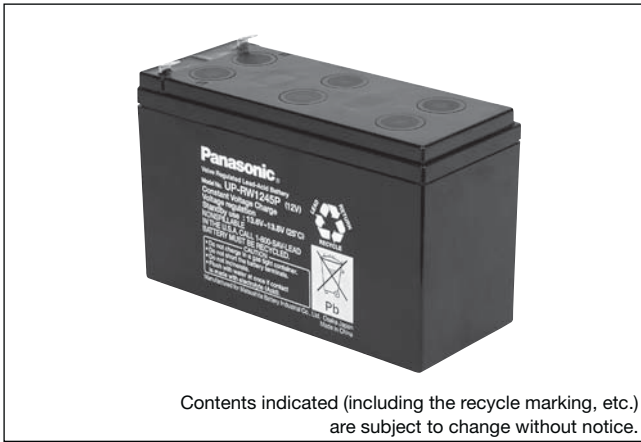
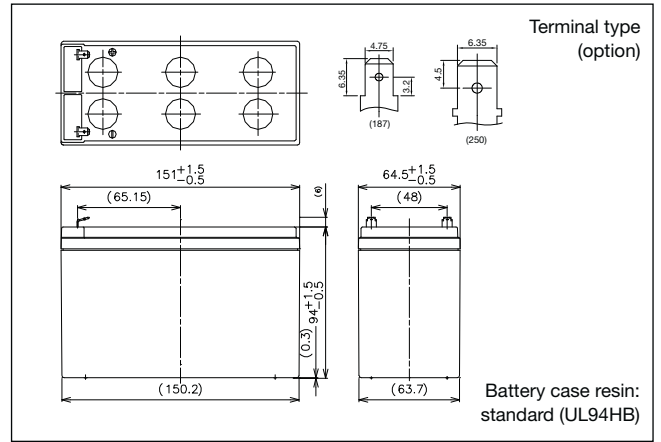


UP-RW1245P*1

For standby power supplies.
Expected trickle design life: 6 – 9 years at 20°C according to Eurobat.



Dimensions (mm)



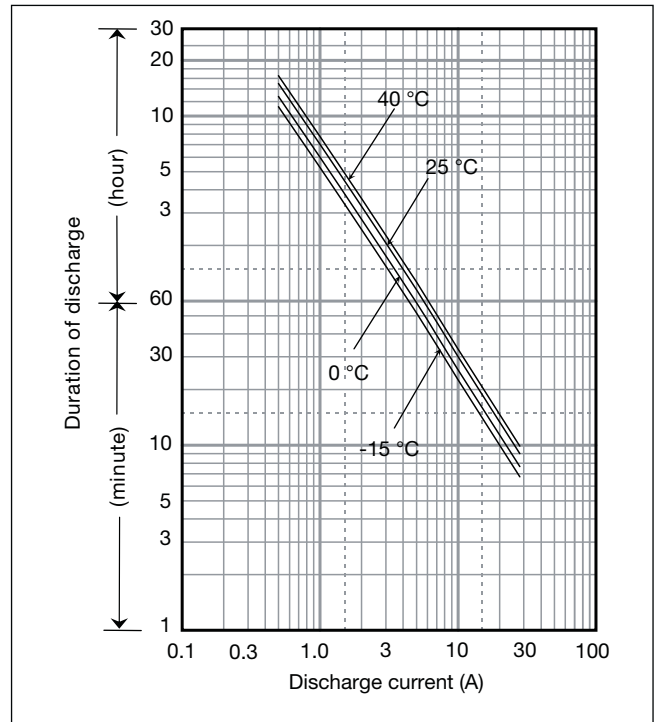
Specifications

Nominal voltage	12V	
Nominal capacity (10 minute rate)	270W	
Dimensions	Length	151mm
	Width	64.5mm
	Height	94mm
	Total Height	100mm
Approx. mass	2.6kg	
Terminal	Faston 187 or Faston 250 with hole	

Characteristics

Capacity (25°C)	20 hour rate	112W
	10 hour rate	195W
	5 hour rate	268W
	1 hour rate	410W
Internal resistance	Fully charged battery (25°C)	20mΩ
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

(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

(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	9.6	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	9.6	6.95	5.57	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	9.5	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	9.4	6.70	5.35	3.53	2.77	2.16	1.65	1.35	1.08	0.718	0.393	0.328
10.8V	39.0	29.6	20.9	15.7	12.6	9.3	6.67	5.25	3.50	2.62	2.08	1.62	1.31	1.06	0.710	0.391	0.326

*1 This battery is also available with a flame retardant battery case resin (UL94 V-0).

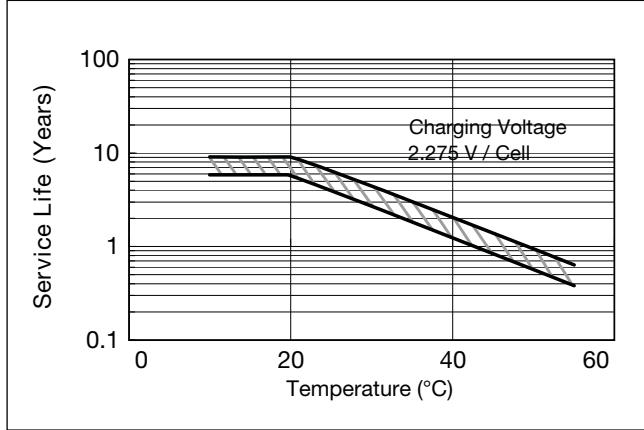
Charging Method

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

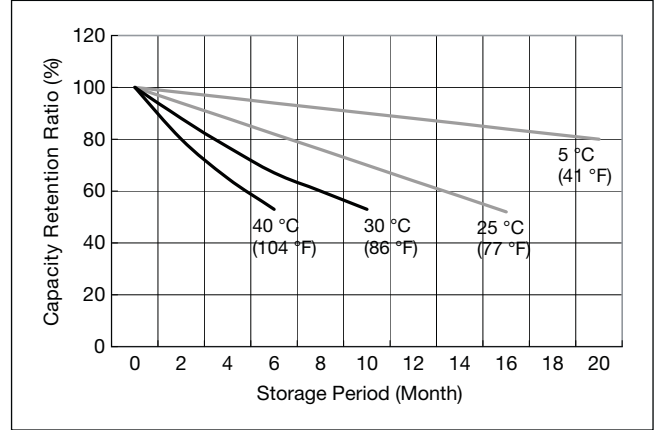
Cut off voltage

Discharge current	0.4A - 1.6A	1.6A - 4A	4A - 8A	8A - 16A	16A - 24A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

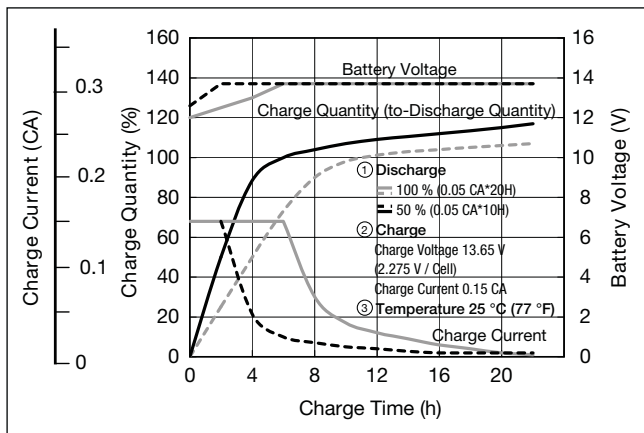
Influence of Temperature on Trickle life



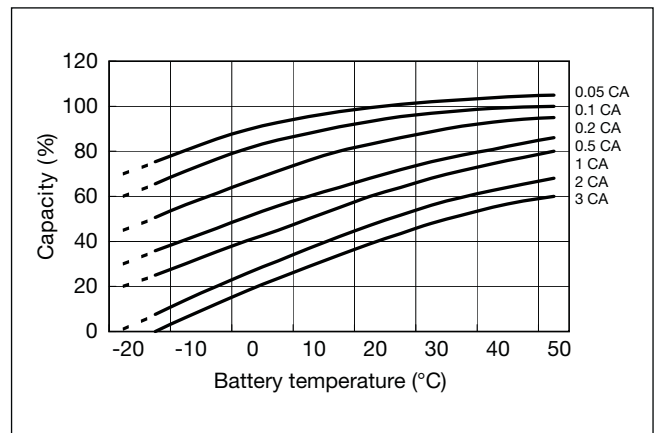
Residual capacity vs storage period



Constant-voltage and constant-current charge characteristics for Trickle use



Discharge capacity by temperature and by discharge current



Discharge characteristics

