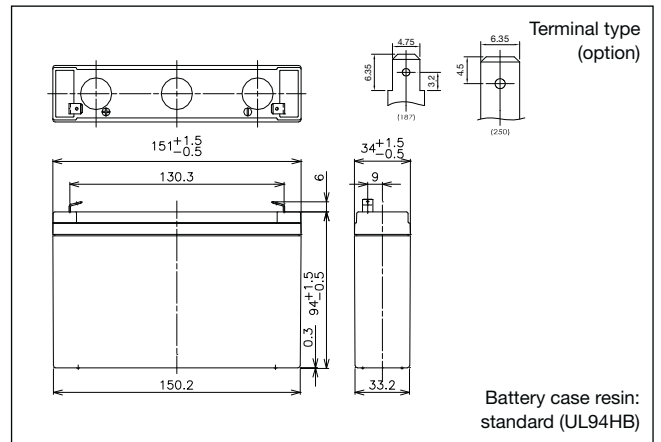


**LC-R067R2P\*1**

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



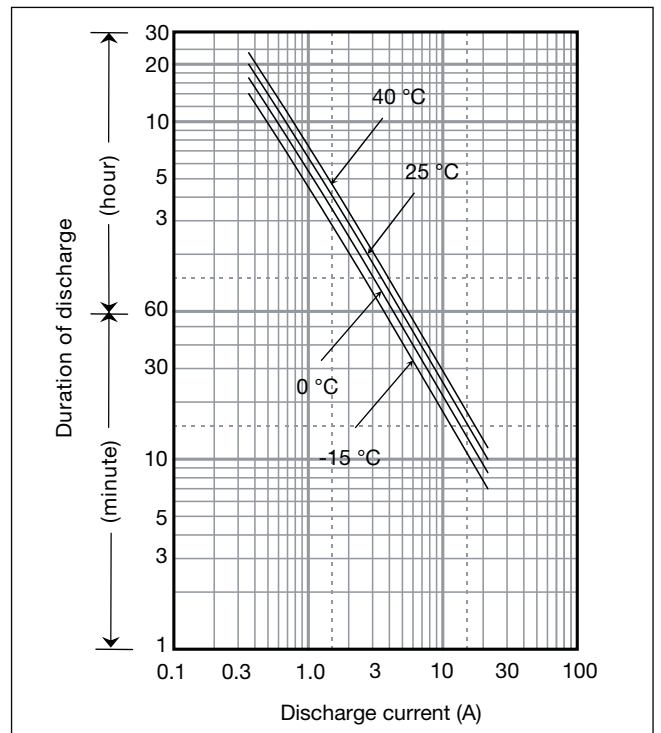
**Dimensions (mm)**



**Specifications**

Nominal voltage	6V	
Nominal capacity (20 hour rate)	7.2Ah	
Dimensions	Length	151mm
	Width	34mm
	Height	94mm
	Total Height	100mm
Approx. mass	1.26kg	
Terminal	Faston 187 or Faston 250 with hole	

**Duration of discharge vs Discharge current**



**Characteristics**

Capacity (25°C)	20 hour rate 10 hour rate 5 hour rate 1 hour rate	7.2Ah 6.8Ah 6.3Ah 4.9Ah
Internal resistance	Fully charged battery (25°C)	11mΩ
Temperature dependency of capacity (20 hour rate)	40°C 25°C 0°C -15°C	102% 100% 85% 65%
Self discharge (25°C)	After 3 months After 6 months After 12 months	91% 82% 64%

**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
4.8V	216	171	111	85.1	71.3	53.2	37.6	30.0	20.7	16.0	11.9	9.14	7.55	6.07	4.02	2.18	1.82
4.95V	201	160	109	84.5	70.2	52.7	37.3	30.0	20.3	15.9	11.8	9.08	7.49	6.04	4.00	2.17	1.81
5.1V	185	150	106	82.8	69.0	52.1	37.0	29.5	19.8	15.5	11.7	9.02	7.43	6.00	3.96	2.17	1.81
5.25V	165	134	99	77.1	65.5	50.9	36.4	28.9	19.4	14.9	11.5	8.96	7.37	5.92	3.94	2.16	1.80
5.4V	139	119	88	71.9	63.8	49.1	35.8	28.3	18.9	14.2	11.3	8.84	7.19	5.83	3.90	2.15	1.79

**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
4.8V	38.9	30.6	19.9	14.8	12.3	9.1	6.4	5.1	3.5	2.7	2.00	1.50	1.26	1.00	0.67	0.36	0.30
4.95V	36.1	28.7	18.5	14.8	12.1	9.0	6.4	5.1	3.4	2.6	2.00	1.50	1.25	1.00	0.67	0.36	0.30
5.1V	33.3	26.9	19.0	14.4	11.9	8.9	6.3	5.0	3.3	2.5	1.95	1.50	1.24	1.00	0.66	0.36	0.30
5.25V	29.6	24.1	17.6	13.4	11.3	8.7	6.2	4.9	3.3	2.5	1.95	1.50	1.23	1.00	0.66	0.36	0.30
5.4V	25.0	21.3	15.7	12.5	11.0	8.4	6.1	4.8	3.2	2.4	1.90	1.50	1.20	1.00	0.65	0.35	0.30

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

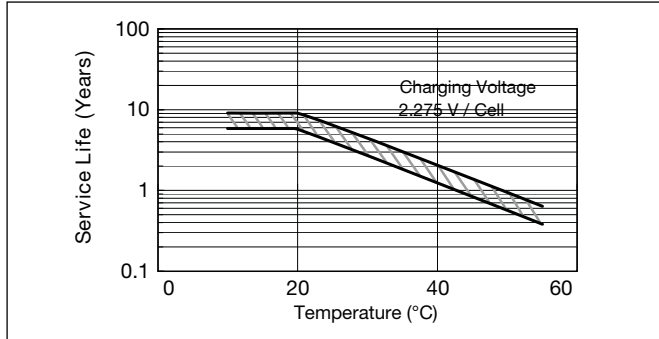
**Charging Method**

Cycle Use	Control voltage: 7.25 - 7.45V; Initial current: 2.88A or smaller
Trickle Use	Control voltage: 6.8 - 6.9V; Initial current: 1.08A or smaller

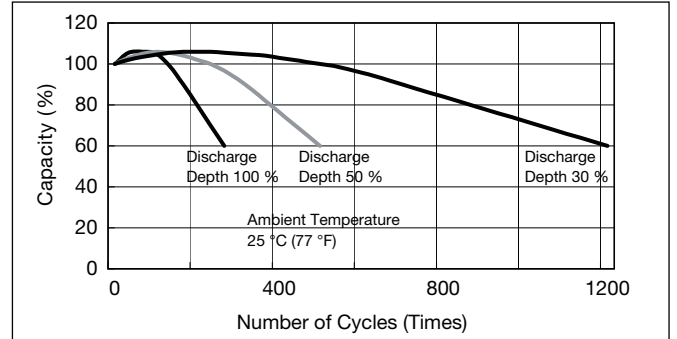
**Cut off voltage**

Discharge current	0.36A - 1.44A	1.44A - 3.6A	3.6A - 7.2A	7.2A - 14.4A	14.4A - 21.6A
Cut off voltage (V)	5.25	5.1	4.95	4.65	4.35

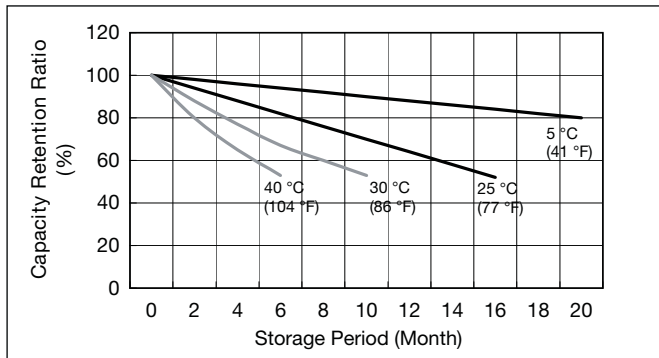
**Influence of Temperature on Trickle life**



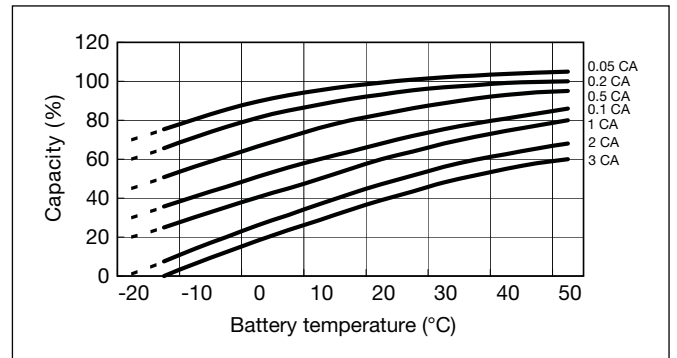
**Cycle life vs Depth of discharge**



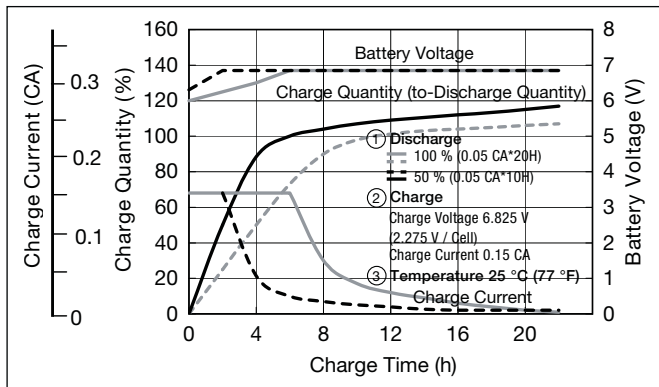
**Residual capacity vs storage period**



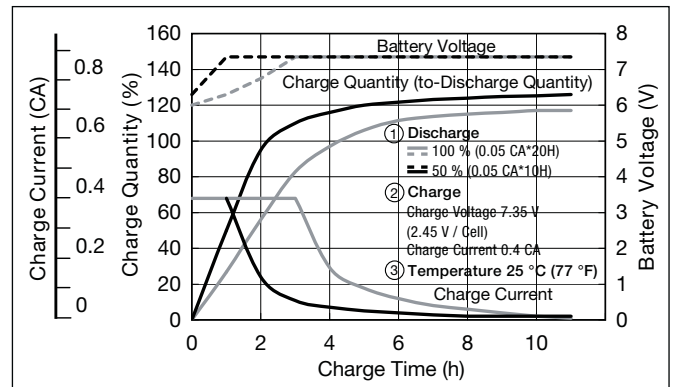
**Discharge capacity by temperature and by discharge current**



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



**Constant-voltage and constant-current charge characteristics for Cycle use**



**Discharge characteristics**

