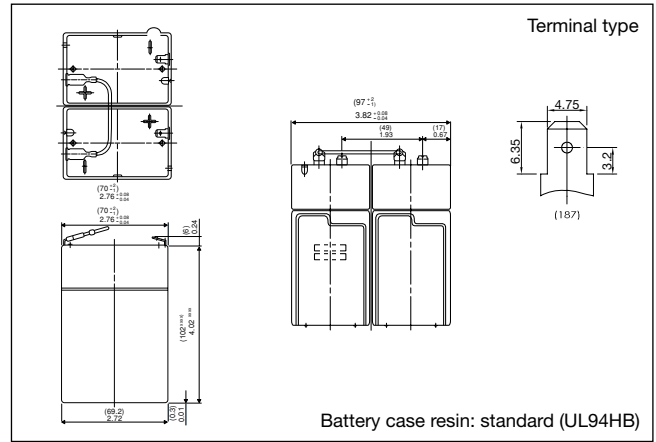


# LC-R124R5P

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



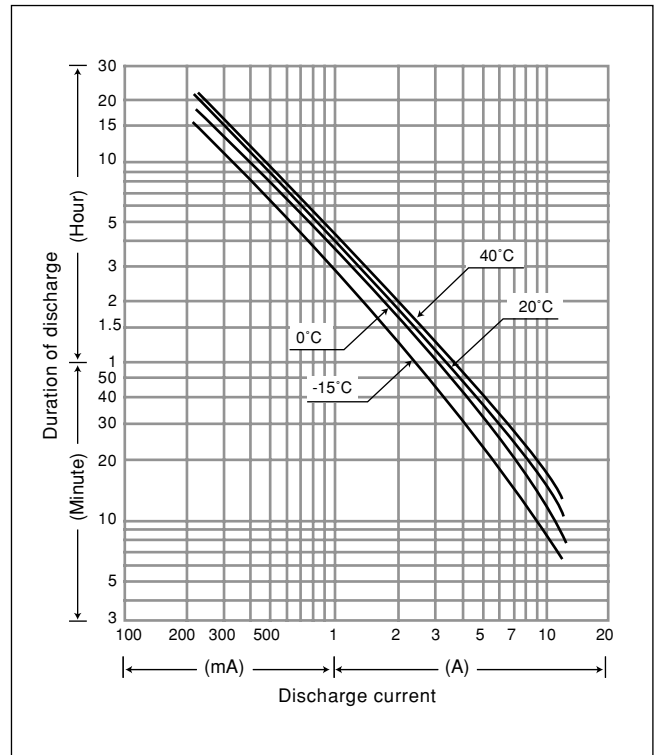
## Dimensions (mm)



## Specifications

Nominal voltage	12 V	
Nominal capacity (20 hour rate)	4.5 Ah	
Dimensions	Length	70 mm
	Width	97 mm
	Height	102 mm
	Total Height	108 mm
Approx. mass	1.45 kg	
Terminal	Faston 187	

## Duration of discharge vs Discharge current



## Characteristics

Capacity (25 °C)	20 hour rate	4.5 Ah
	10 hour rate	3.9 Ah
	5 hour rate	3.5 Ah
	1 hour rate	2.8 Ah
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	83 %
	After 12 months	66 %

## Watt Table

Cut-off V	3 min	5 min	10 min	15 min	20 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	10 h	20 h	24 h
9.6 V	270	214	139.4	106.4	89.2	66.6	47	37.6	25.8	19.98	14.88	11.42	9.44	7.58	5.02	2.72	2.272
9.9 V	250	200	136.6	105.6	87.8	65.8	46.6	37.6	25.4	19.84	14.8	11.36	9.36	7.56	5	2.72	2.266
10.2 V	232	188	133	103.6	86.2	65	46.2	36.8	24.8	19.32	14.66	11.28	9.28	7.5	4.96	2.7	2.258
10.5 V	206	168	123.2	96.4	82	63.6	45.4	36	24.2	18.64	14.42	11.2	9.2	7.4	4.92	2.7	2.25
10.8 V	174	148	110	89.8	79.8	61.4	44.8	35.4	23.6	17.76	14.14	11.06	8.98	7.28	4.88	2.68	2.236

## Ampere Table

Cut-off V	3 min	5 min	10 min	15 min	20 min	30 min	45 min	1 h	1.5 h	2 h	3 h	4 h	5 h	6 h	10 h	20 h	24 h
9.6 V	48.6	38.26	24.88	18.5	15.38	11.38	8	6.38	4.38	3.38	2.5	1.912	1.576	1.266	0.838	0.454	0.378
9.9 V	45.2	35.88	24.38	18.38	15.12	11.26	7.96	6.38	4.28	3.36	2.48	1.9	1.562	1.26	0.834	0.452	0.378
10.2 V	41.6	33.62	23.76	18	14.88	11.12	7.88	6.26	4.2	3.26	2.46	1.888	1.55	1.25	0.826	0.452	0.376
10.5 V	37	30.12	22	16.76	14.12	10.88	7.76	6.12	4.12	3.16	2.42	1.876	1.538	1.236	0.822	0.45	0.376
10.8 V	31.2	26.62	19.62	15.62	13.76	10.5	7.62	6	4	3	2.38	1.85	1.5	1.216	0.812	0.448	0.372

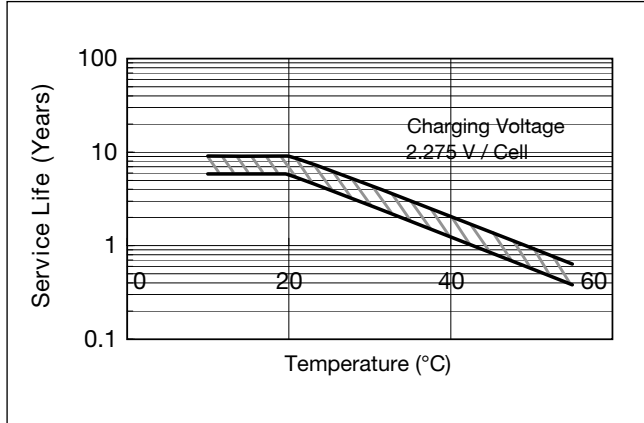
**Charging Method**

Trickle use	Control voltage: 13.6 - 13.8 V; Initial current: 0,675 A or smaller
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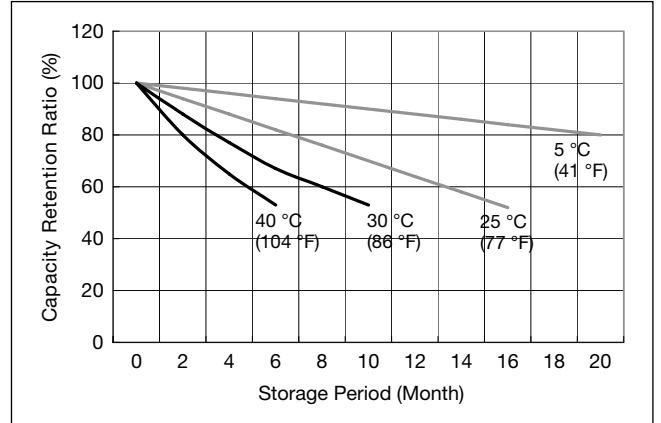
**Cut off voltage**

Discharge current	0.225 A - 0.9 A	0.9 A - 2.25 A	2.25 A - 4.5 A	4.5 A - 9 A	9 A - 13.5 A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

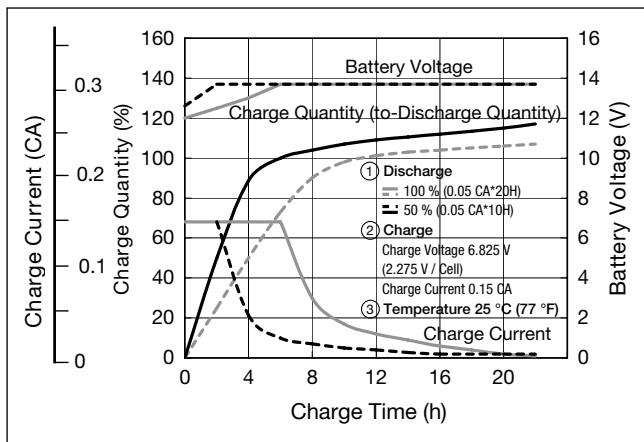
**Influence of Temperature on Trickle life**



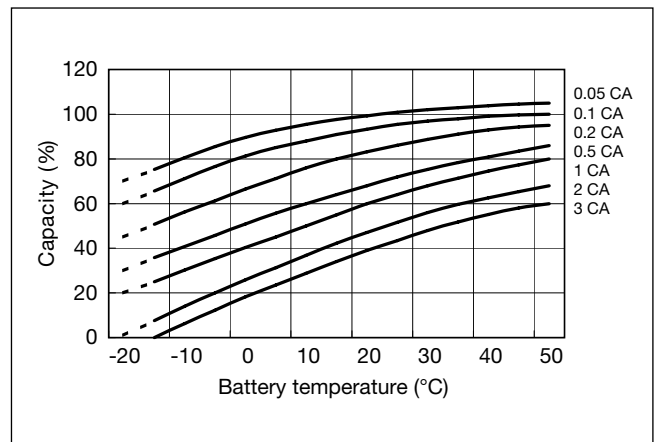
**Residual capacity vs storage period**



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



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



**Discharge characteristics**

