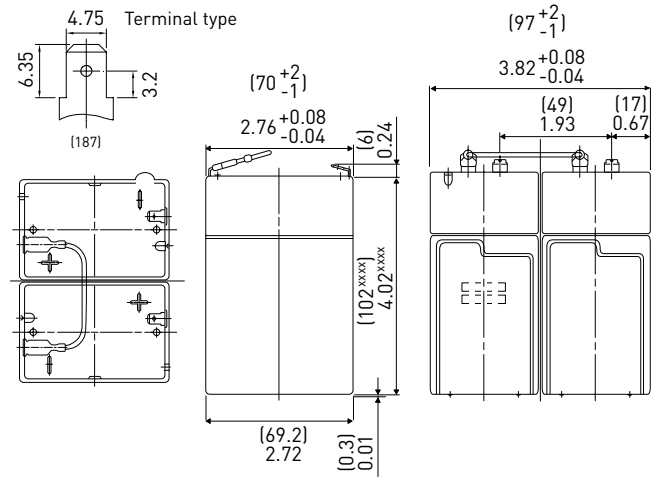


LC-R124R5P*1

DIMENSIONS (MM)



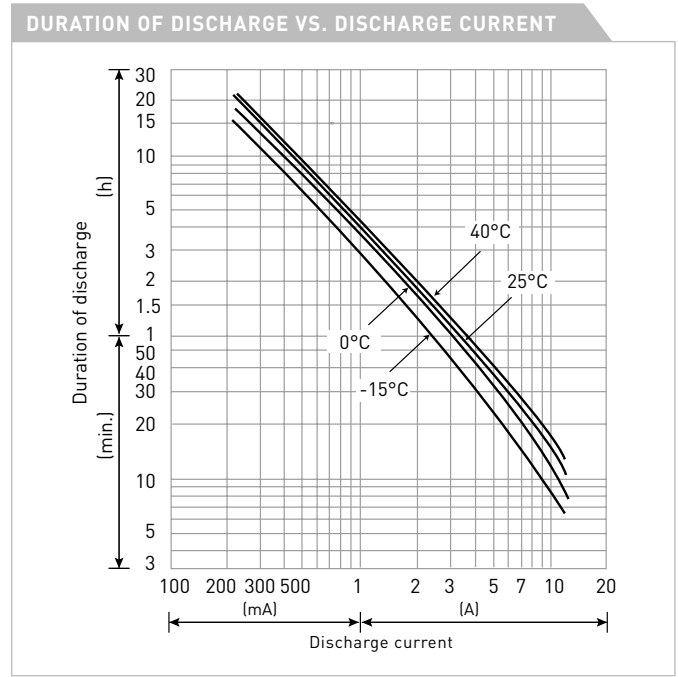
FOR MAIN AND STANDBY POWER SUPPLIES.
 EXPECTED TRICKLE DESIGN LIFE: 6 – 9 YEARS AT 20°C
 ACCORDING TO EUROBAT.



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

Battery case resin: standard (UL94 HB)

SPECIFICATIONS		
Name	LC-R124R5P*1	
Nominal voltage	12V	
Nominal capacity (20 hour rate)	4.5Ah	
Dimensions	Length	70mm
	Width	97mm
	Height	108mm
Approx. mass	5.0kg	
Terminal	Faston 187	
Capacity (25°C)	20 hour rate	4.5Ah
	10 hour rate	4.1Ah
	3 hour rate	3.6Ah
	1 hour rate	3.1Ah
Impedance	Fully charged battery (25°C)	40mΩ
	40°C	102%
Temperature dependency of capacity (20 hour rate)	25°C	100%
	0°C	85%
	-15°C	65%
	Self-discharge (25°C)	After 3 month
After 6 month		83%
After 12 month		64%



WATT TABLE (25°C)																(Wattage/battery)
Cut-off	3min.	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	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
9.9V	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
10.2V	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
10.5V	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
10.8V	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

AMPERE TABLE (25°C)																(Ampere/battery)
Cut-off	3min.	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	24.3	19.13	12.44	9.25	7.69	5.69	4.00	3.19	2.19	1.69	1.25	0.956	0.788	0.633	0.419	0.227
9.9V	22.6	17.94	12.19	9.19	7.56	5.63	3.98	3.19	2.14	1.68	1.24	0.950	0.781	0.630	0.417	0.226
10.2V	20.8	16.81	11.88	9.00	7.44	5.56	3.94	3.13	2.10	1.63	1.23	0.944	0.775	0.625	0.413	0.226
10.5V	18.5	15.06	11.00	8.38	7.06	5.44	3.88	3.06	2.06	1.58	1.21	0.938	0.769	0.618	0.411	0.225
10.8V	15.6	13.31	9.81	7.81	6.88	5.25	3.81	3.00	2.00	1.50	1.19	0.925	0.750	0.608	0.406	0.224

All mentioned values are average values

LC-R124R5P*1

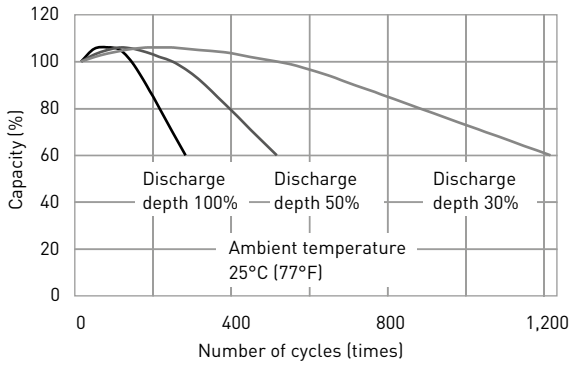
CHARGING METHOD (25°C)

Cycle use Control voltage: 14.5V - 14.9V
Initial current: 1.80A or smaller

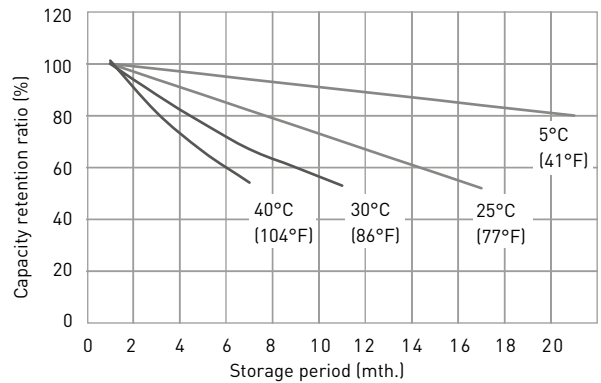
CUT-OFF VOLTAGE

Discharge current	0.225A - 0.9A	0.9A - 2.25A	2.25A - 4.5A	4.5A - 9.0A	9.0A - 13.5A
Cut-off voltage	10.5V	10.2V	9.9V	9.3V	8.7V

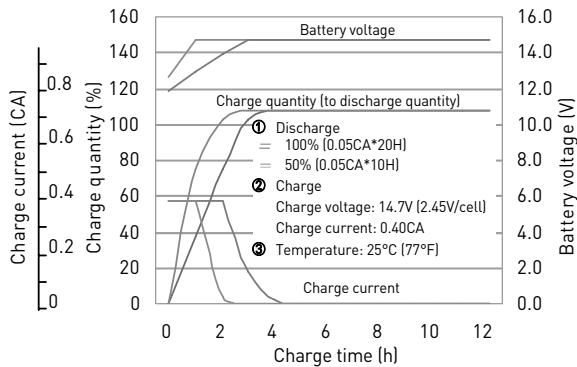
CYCLE LIFE VS. DEPTH OF DISCHARGE (ACC. IEC 61056)



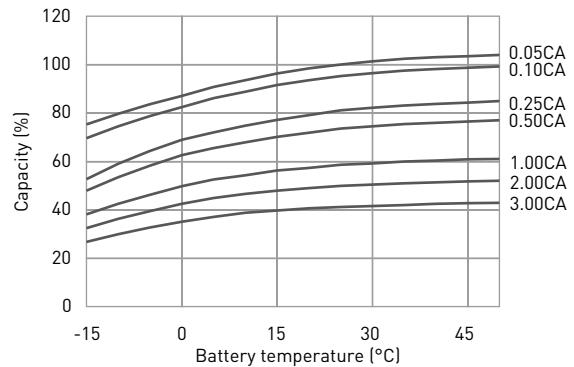
RESIDUAL CAPACITY TEST RESULT



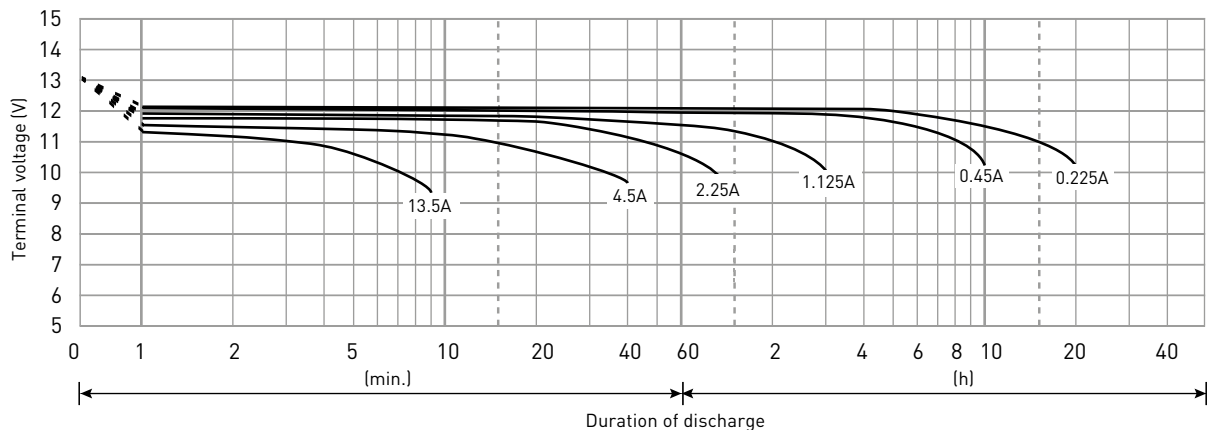
CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR CYCLE USE



DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



DISCHARGE CHARACTERISTICS



The data in this document are for descriptive purposes only and are not intended to make or imply any guarantee or warranty. Regarding handling and safety please consult our VRLA technical handbook chapter 1.

*1 This battery is also available with a flame retardant battery case resin (UL94 V-0): LC-V124R5P.