

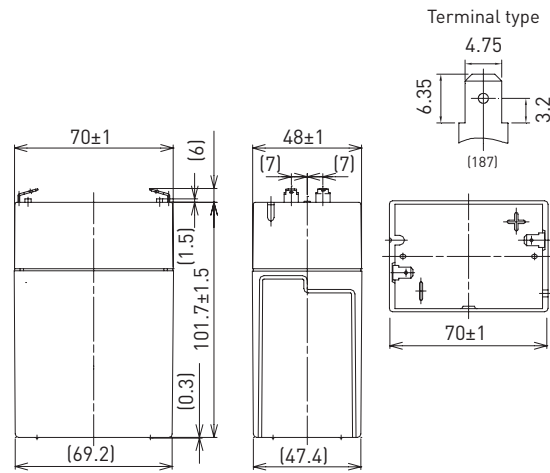
LC-R064R5P\*1

DIMENSIONS (MM)



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

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

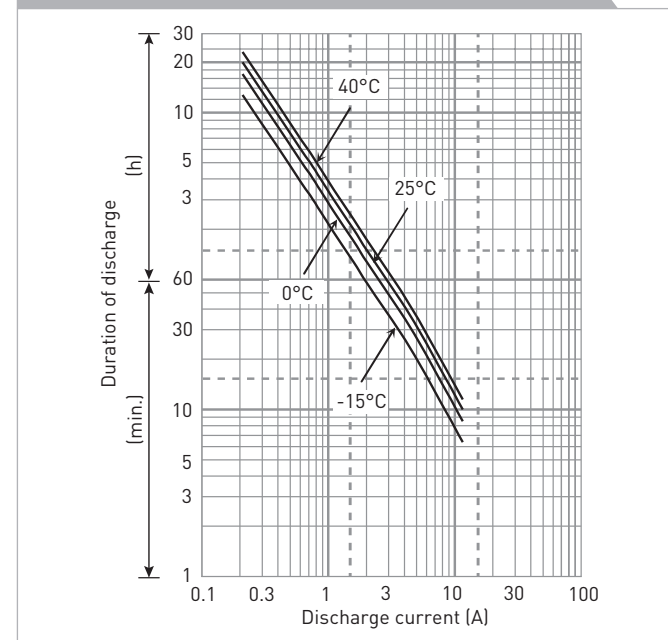


Battery case resin: standard (UL94 HB)

SPECIFICATIONS

Name	LC-R064R5P*1
Nominal voltage	6V
Nominal capacity (20 hour rate)	4.5Ah
Dimensions	Length 70mm
	Width 48mm
	Height 108mm
Approx. mass	0.70kg
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) 20mΩ
	40°C 102%
Temperature dependency of capacity (20 hour rate)	25°C 100%
	0°C 85%
	-15°C 65%
	After 3 month 91%
Self-discharge (25°C)	After 6 month 82%
	After 12 month 64%

DURATION OF DISCHARGE VS. DISCHARGE CURRENT



WATT TABLE (25°C)

Cut-off	(Wattage/battery)															
	3min.	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
4.80V	135	107	69.7	53.2	44.6	33.3	23.5	18.8	12.9	9.99	7.44	5.71	4.72	3.79	2.51	1.36
4.95V	125	100	68.3	52.8	43.9	32.9	23.3	18.6	12.7	9.92	7.40	5.68	4.68	3.78	2.50	1.36
5.10V	116	93.7	66.5	51.8	43.1	32.5	23.1	18.4	12.4	9.66	7.33	5.64	4.64	3.75	2.48	1.35
5.25V	103	84.0	61.6	48.2	41.0	31.8	22.7	18.0	12.1	9.32	7.21	5.60	4.60	3.70	2.46	1.35
5.40V	86.9	74.2	55.0	44.9	39.9	30.7	22.4	17.7	11.8	8.88	7.07	5.53	4.49	3.64	2.44	1.34

AMPERE TABLE (25°C)

Cut-off	(Ampere/battery)															
	3min.	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
4.80V	24.3	19.1	12.4	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
4.95V	22.6	17.9	12.2	9.19	7.56	5.63	3.98	3.16	2.14	1.68	1.24	0.950	0.781	0.630	0.417	0.226
5.10V	20.8	16.8	11.9	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
5.25V	18.5	15.1	11.0	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
5.40V	15.6	13.3	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

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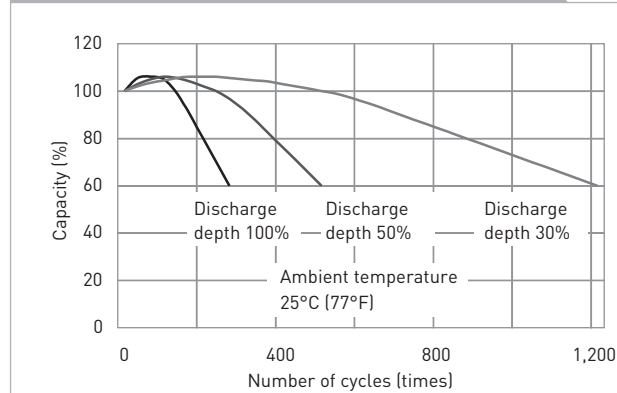
CHARGING METHOD (25°C)

Cycle use Control voltage: 7.25V - 7.45V  
Initial current: 1.80A or smaller

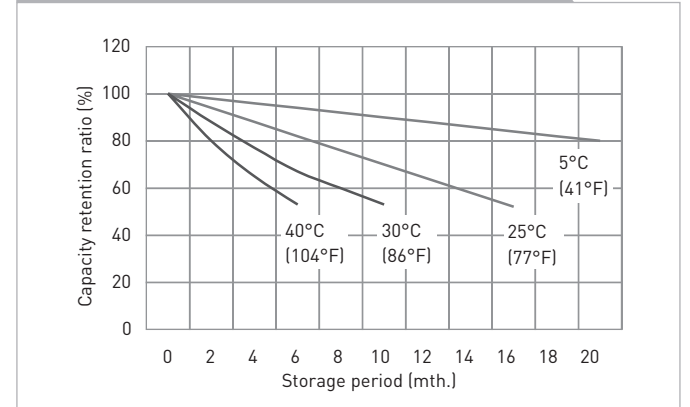
CUT-OFF VOLTAGE

Discharge current	0.225A - 0.900A	0.900A - 2.25A	2.25A - 4.50A	4.50A - 9.00A	9.00A - 13.5A
Cut-off voltage	5.25V	5.10V	4.95V	4.65V	4.35V

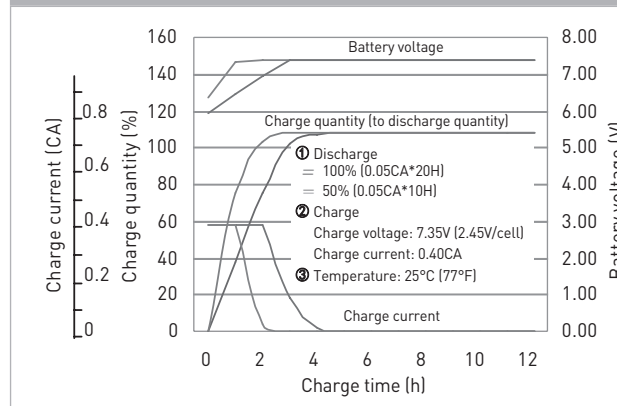
CYCLE LIFE VS. DEPTH OF DISCHARGE (ACC. IEC 61056)



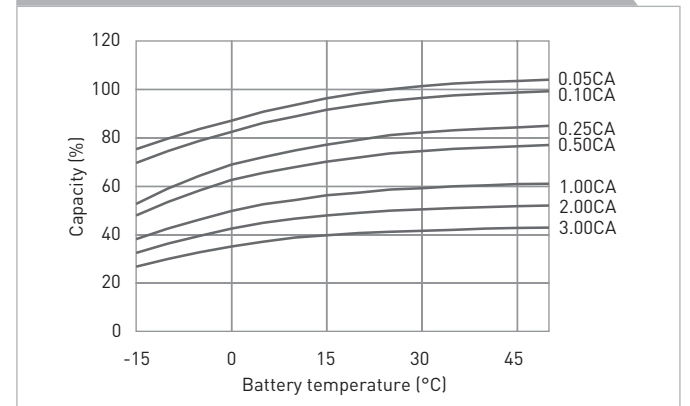
RESIDUAL CAPACITY TEST RESULT



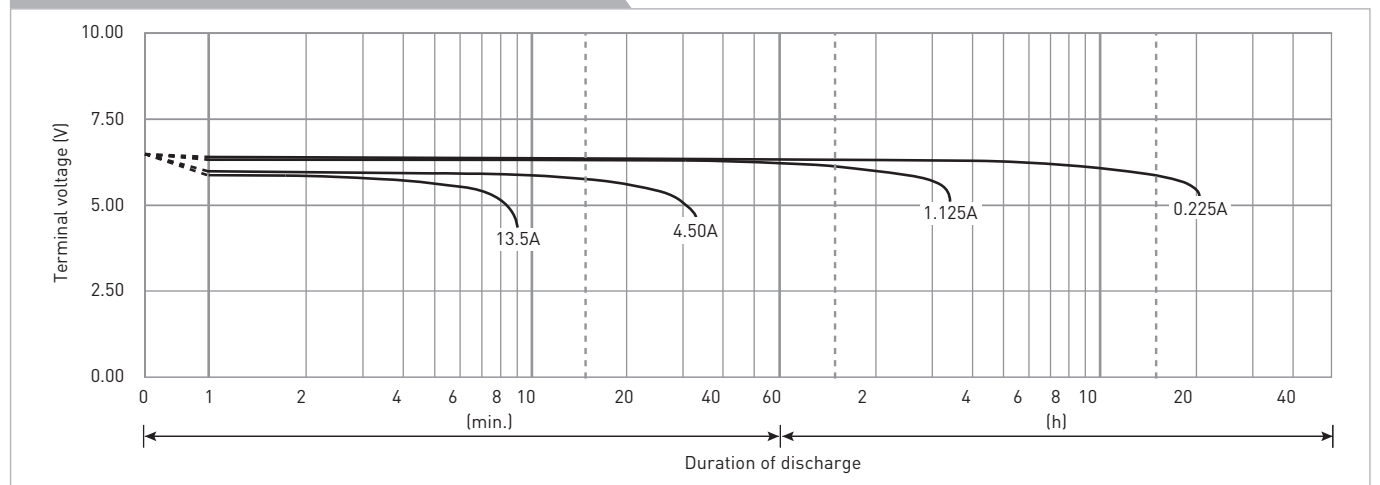
CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR CYCLE USE



DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



DISCHARGE CHARACTERISTICS



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