

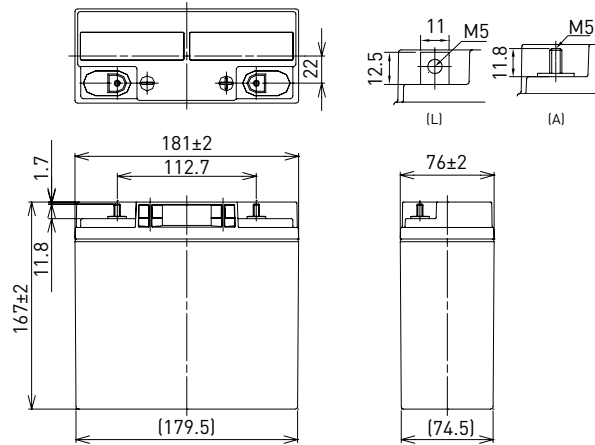
# LC-XC1222P/AP

FOR MAIN POWER SUPPLIES.  
CYCLE LONG-LIFE TYPE

DIMENSIONS (MM)



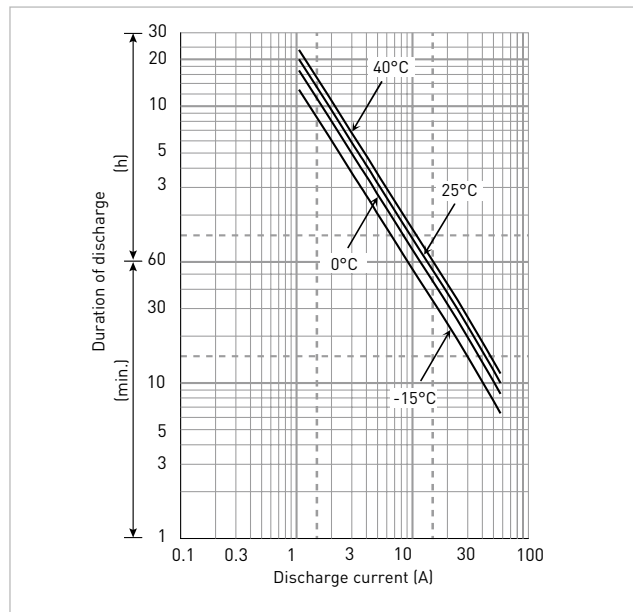
Terminal type (option)



Contents indicated (including the recycle marking, etc.) are subject to change without notice. Battery case resin: standard (UL94 HB)

Specifications		LC-XC1222P/AP
<b>Nominal voltage (V)</b>		12
<b>Nominal capacity</b>	20 hours rate (Ah)	22.0
<b>Dimensions</b>	Length (mm)	76
	Width (mm)	181
	Total height (mm)	167
<b>Approx. mass (kg)</b>		6.55
<b>Terminal type</b>		M5 bolt/nut & threaded post
<b>Capacity (25°C)</b>	20 hours rate (Ah)	22.0
	10 hours rate (Ah)	20.0
	3 hours rate (Ah)	17.0
	1 hour rate (Ah)	14.0
<b>Impedance (mΩ)</b>	Fully charged battery (25°C)	12
	Temperature dependency of capacity (%) - 20 hours rate	
	40°C	102
	25°C	100
	0°C	85
	-15°C	65
<b>Remaining capacity (25°C)</b>	After 3 months (%)	91
	After 6 months (%)	82
	After 12 months (%)	64

DURATION OF DISCHARGE VS. DISCHARGE CURRENT



WATT TABLE (25°C)

(Wattage/battery)

Cut-off	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	803	618	472	396	295	213	172	117	93.2	69.4	53.3	44.0	35.4	24.0	13.0
9.9V	787	605	469	389	292	211	170	115	92.5	69.0	53.0	43.7	35.2	23.9	13.0
10.2V	767	590	459	383	289	209	167	112	90.1	68.3	52.6	43.3	35.0	23.6	12.9
10.5V	710	546	427	363	282	206	163	110	87.0	67.3	52.3	43.0	34.5	23.5	12.9
10.8V	633	487	399	354	272	203	160	107	82.8	65.9	51.6	41.9	34.0	23.3	12.8

AMPERE TABLE (25°C)

(Ampere/battery)

Cut-off	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	77.2	59.4	43.0	36.7	25.4	18.8	14.9	9.79	7.55	5.85	4.48	3.69	2.96	2.04	1.11
9.9V	75.7	58.2	42.7	36.1	25.1	18.7	14.5	9.59	7.49	5.82	4.45	3.66	2.95	2.04	1.11
10.2V	73.7	56.7	41.8	35.5	24.8	18.5	14.2	9.40	7.30	5.76	4.42	3.63	2.93	2.02	1.10
10.5V	68.4	52.6	38.9	33.7	24.3	18.2	13.9	9.20	7.05	5.58	4.39	3.60	2.89	2.01	1.10
10.8V	61.0	46.9	36.3	32.8	23.4	17.9	13.6	8.95	6.71	5.56	4.33	3.51	2.84	1.99	1.09

All mentioned values are average values

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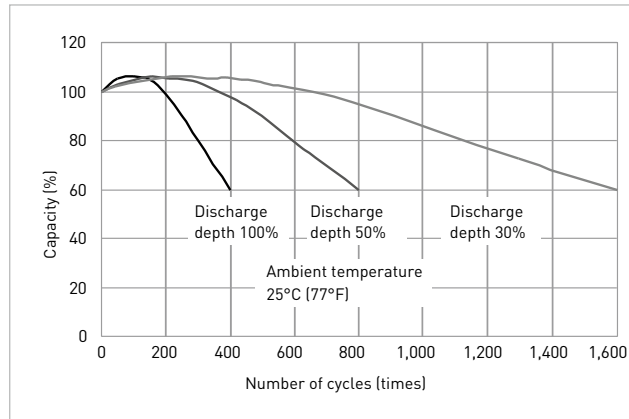
## CHARGING METHOD (25°C)

<b>Cycle use</b>	Control voltage: 14.5V - 14.9V Initial current: 8.80A or smaller
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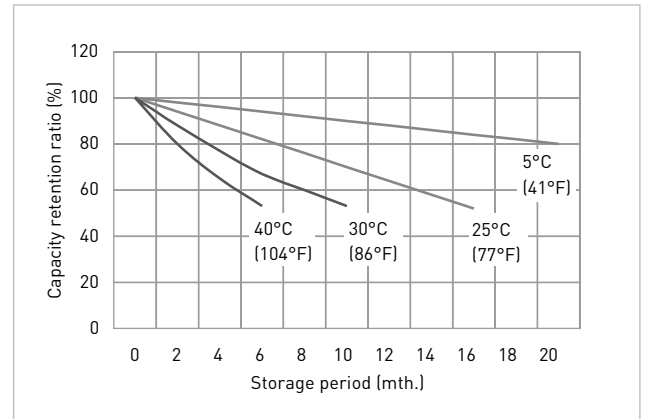
## CUT-OFF VOLTAGE

<b>Discharge current</b>	1.10A - 5.50A	5.50A - 11.0A	11.0A - 22.0A	22.0A - 44.0A	44.0A - 66.0A
<b>Cut-off voltage</b>	10.5V	10.2V	9.9V	9.3V	8.7V

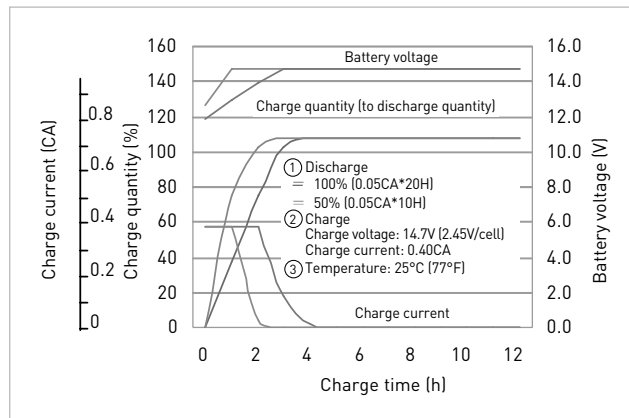
## CYCLE LIFE VS. DEPTH OF DISCHARGE (ACC. IEC 61056)



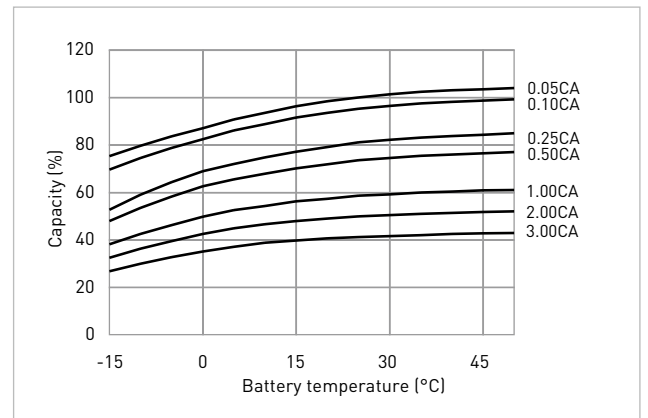
## RESIDUAL CAPACITY TEST RESULT



## CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR CYCLE USE



## DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



## DISCHARGE CHARACTERISTICS

