

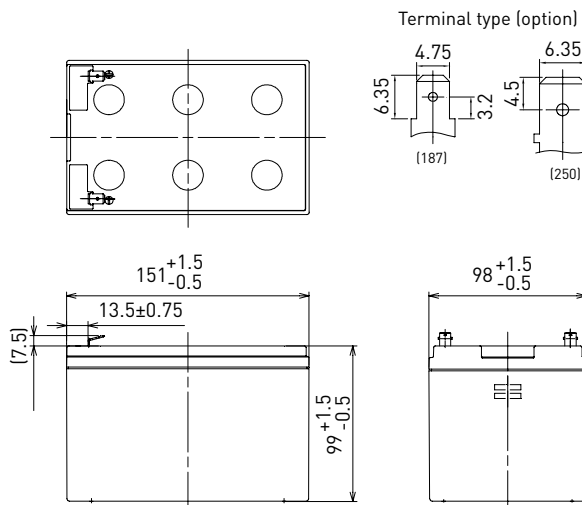
LC-CA1216P

DIMENSIONS (MM)



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

FOR MAIN POWER SUPPLIES.
CYCLE LONG-LIFE TYPE

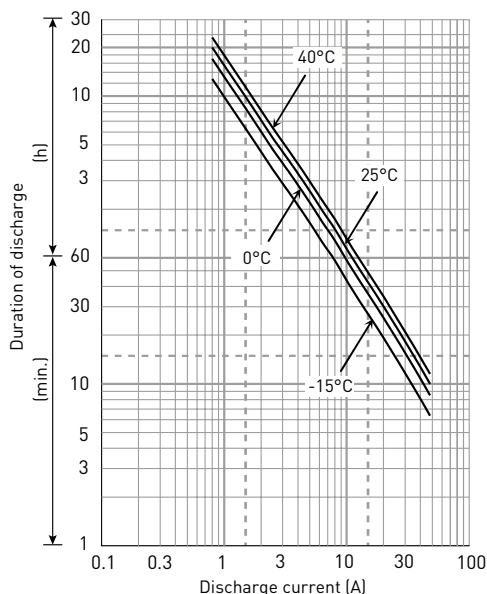


Battery case resin: standard (UL94 HB)

SPECIFICATIONS

Name		LC-CA1216P/P1
Nominal voltage		12V
Nominal capacity (20 hour rate)		16Ah
Dimensions	Length	151mm
	Width	98mm
	Height	105mm
Approx. mass		4.70kg
Terminal		Faston 187/250
Capacity (25°C)	20 hour rate	16Ah
	10 hour rate	15Ah
	3 hour rate	13Ah
	1 hour rate	11Ah
Impedance	Fully charged battery (25°C)	11mΩ
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 month	91%
	After 6 month	82%
	After 12 month	64%

DURATION OF DISCHARGE VS. DISCHARGE CURRENT



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	879	721	517	381	308	225	165	132	94.2	74.7	53.1	40.5	33.0	28.1	17.8	9.54
9.9V	825	683	505	374	302	220	163	131	92.9	74.2	52.8	40.4	32.9	28.0	17.8	9.52
10.2V	766	642	491	366	296	219	162	129	91.3	72.9	52.3	40.2	32.7	27.8	17.6	9.50
10.5V	689	586	459	346	285	213	160	126	89.9	71.1	51.5	40.0	32.5	27.6	17.5	9.48
10.8V	595	526	418	327	277	206	153	123	87.2	68.5	50.6	39.5	32.0	27.3	17.4	9.43

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	83.3	68.7	48.0	35.0	28.1	20.5	14.9	11.6	8.07	6.70	4.64	3.47	2.84	2.35	1.51	0.800
9.9V	77.3	64.4	46.9	34.3	27.6	20.1	14.8	11.5	7.96	6.66	4.61	3.45	2.83	2.34	1.50	0.800
10.2V	71.4	60.4	45.6	33.6	27.0	19.9	14.6	11.3	7.83	6.54	4.57	3.44	2.81	2.33	1.49	0.800
10.5V	63.4	54.1	42.6	31.8	26.0	19.5	14.5	11.1	7.71	6.38	4.49	3.42	2.80	2.32	1.48	0.800
10.8V	53.6	47.8	38.8	30.0	25.3	18.8	13.9	10.8	7.47	6.15	4.41	3.38	2.75	2.29	1.47	0.800

All mentioned values are average values

LC-CA1216P

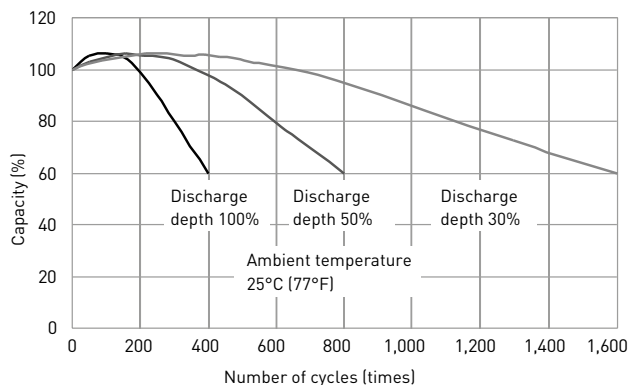
CHARGING METHOD (25°C)

Cycle use Control voltage: 14.5V - 14.9V
Initial current: 6.40A or smaller

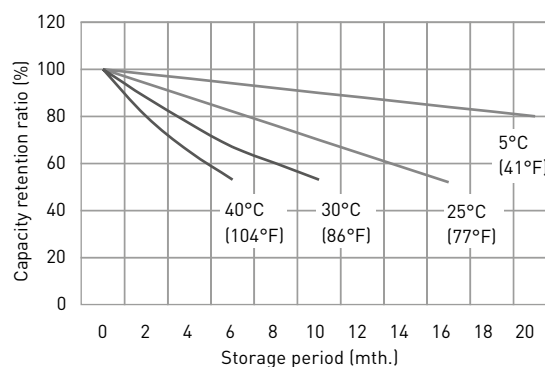
CUT-OFF VOLTAGE

Discharge current	0.800A - 3.20A	3.20A - 8.00A	8.00A - 16.0A	16.0A - 32.0A	32.0A - 48.0A
Cut-off voltage	10.5V	10.2V	9.9V	9.3V	8.7V

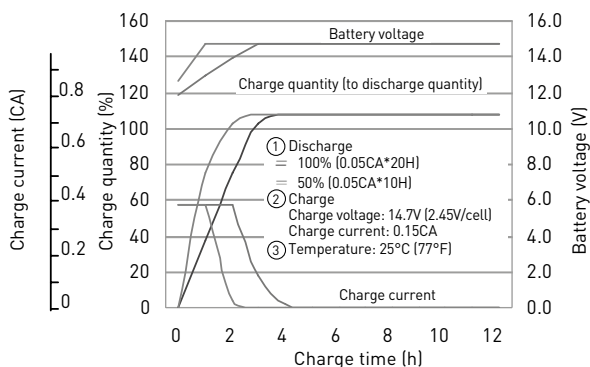
CYCLE LIFE VS. DEPTH OF DISCHARGE (ACC. IEC 61056)



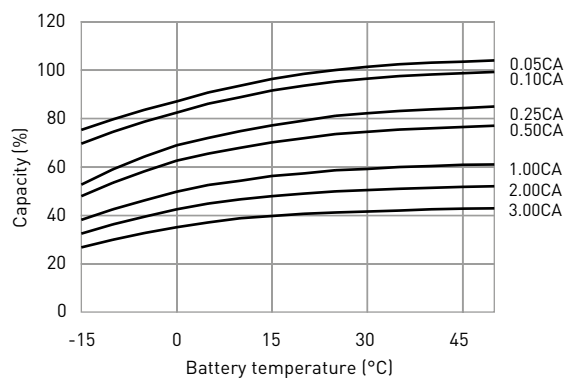
RESIDUAL CAPACITY TEST RESULT



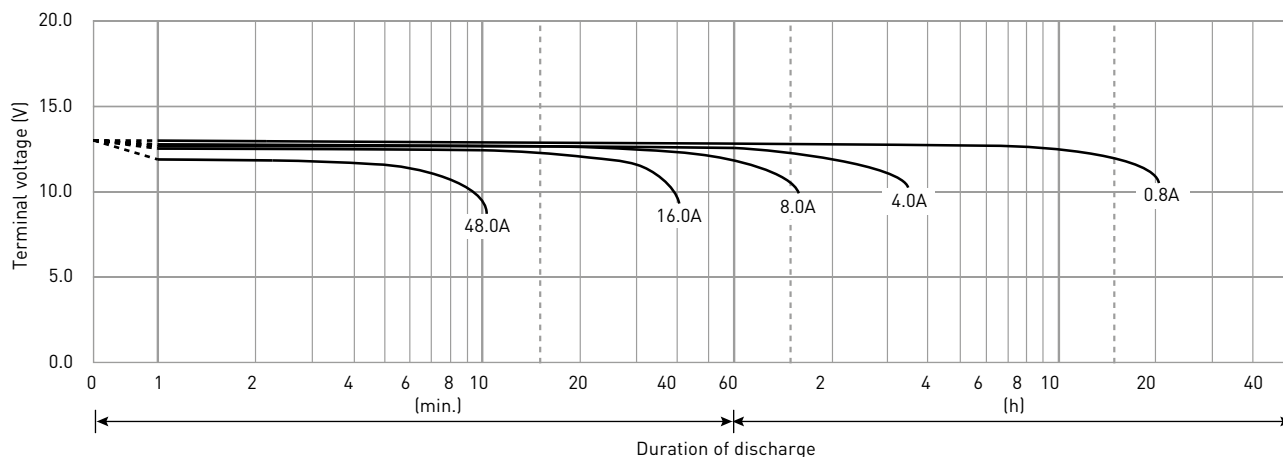
CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR CYCLE USE



DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



DISCHARGE CHARACTERISTICS



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