


POHL

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INDIVIDUAL DATA SHEETS

LC-RA1212PG/PG1* 1

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

VdS

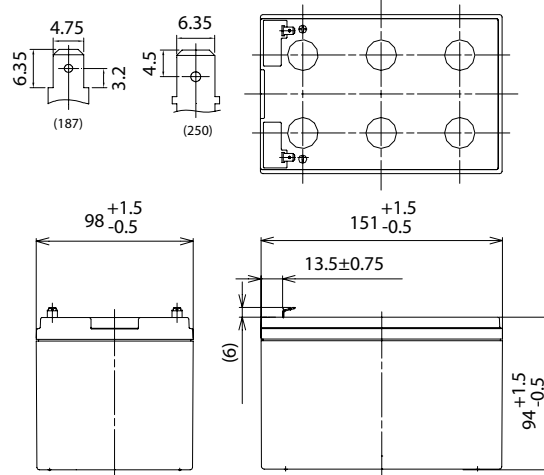
G100001

DIMENSIONS (MM)



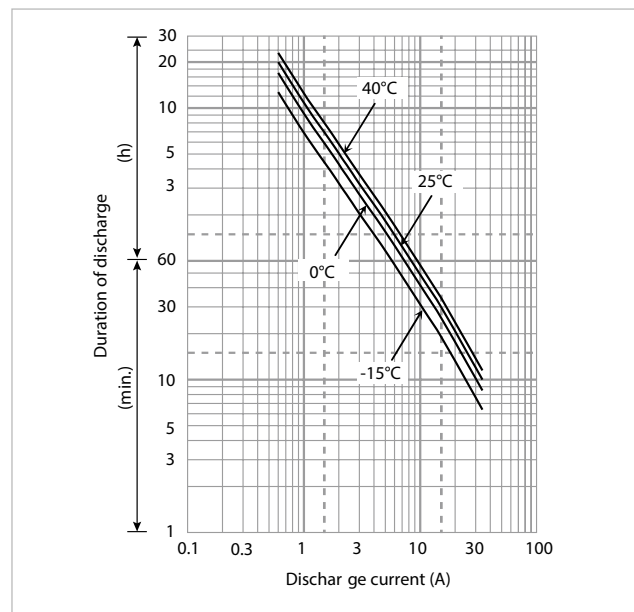
Contents indicated (including the recycle marking, etc.) are subject to change without notice. Battery case resin: standard (UL94 HB)

Terminal type (option)



Specifications		LC-RA1212PG/PG1* 1
Nominal voltage (V)		12
Nominal capacity		20 hours rate (Ah) 12.0
Dimensions	Length (mm)	98
	Width (mm)	151
	Total height (mm)	100
Approx. mass (kg)		3.80
Terminal type		Faston 187/250
Capacity (25°C)	20 hours rate (Ah)	12.0
	10 hours rate (Ah)	11.0
	3 hours rate (Ah)	9.3
	1 hour rate (Ah)	8.5
Impedance (mΩ)		Fully charged battery (25°C) 15
Temperature dependency of capacity (%) – 20 hours rate	40°C	102
	25°C	100
	0°C	85
	-15°C	65
Remaining capacity (25°C)	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	3min.	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	679	559	384	298	247	183	137	105	70.3	54.5	38.1	28.8	24.1	21.7	13.3	7.22
9.9V	649	537	373	288	241	177	135	104	69.9	54.2	37.8	28.7	24.0	21.7	13.3	7.22
10.2V	607	506	363	282	235	175	134	102	69.1	53.9	37.5	28.6	23.9	21.6	13.2	7.21
10.5V	556	475	343	271	231	172	133	100	68.5	53.3	36.9	28.5	23.8	21.6	13.2	7.20
10.8V	495	434	321	261	225	166	123	97.8	66.1	52.1	36.3	28.4	23.7	21.5	13.1	7.18

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	61.1	50.1	34.3	25.9	21.3	15.6	11.7	8.90	5.95	4.60	3.20	2.41	2.01	1.81	1.11	0.602
9.9V	58.4	48.2	33.3	25.0	20.8	15.1	11.5	8.80	5.92	4.58	3.18	2.40	2.01	1.81	1.11	0.602
10.2V	54.6	45.4	32.4	24.5	20.3	14.9	11.4	8.70	5.85	4.55	3.15	2.39	2.00	1.80	1.10	0.601
10.5V	50.0	42.6	30.6	23.6	19.9	14.7	11.3	8.50	5.80	4.50	3.10	2.38	2.00	1.80	1.10	0.600
10.8V	44.5	38.9	28.7	22.7	19.4	14.2	10.5	8.30	5.60	4.40	3.05	2.37	1.99	1.79	1.09	0.598

All mentioned values are average values

*1 This battery is also available with a flame-retardant battery case resin (UL94 V-0): LC-VA1212PG/PG1.



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CONSULTING DISTRIBUTOR

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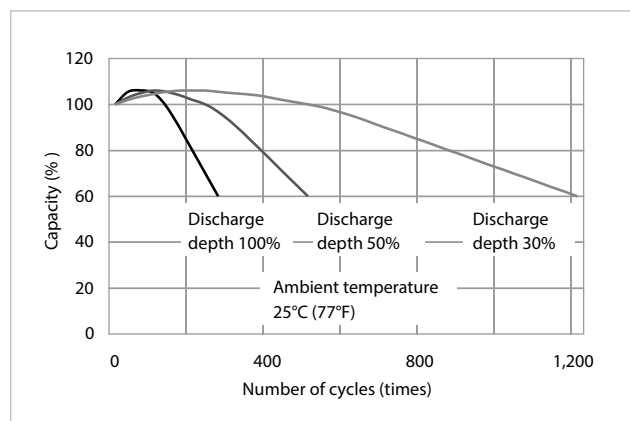
CHARGING METHOD (25°C)

Cycle use	Control voltage: 14.5V - 14.9V Initial current: 4.80A or smaller
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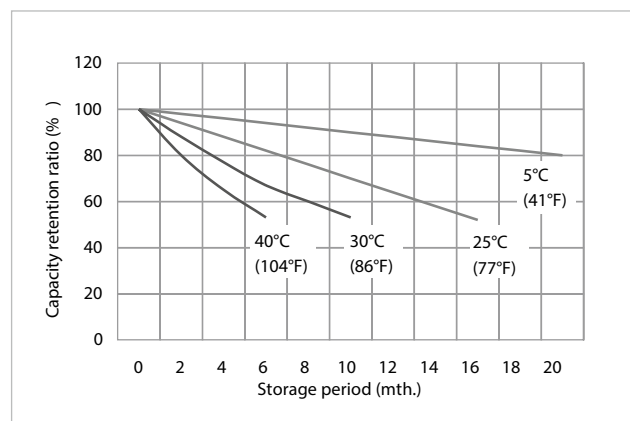
CUT-OFF VOLTAGE

Discharge current	0.600A - 2.40A	2.40A - 6.00A	6.00A - 12.0A	12.0A - 24.0A	24.0A - 36.0A
Cut-off voltage	10.5V	10.2V	9.9V	9.3V	8.7V

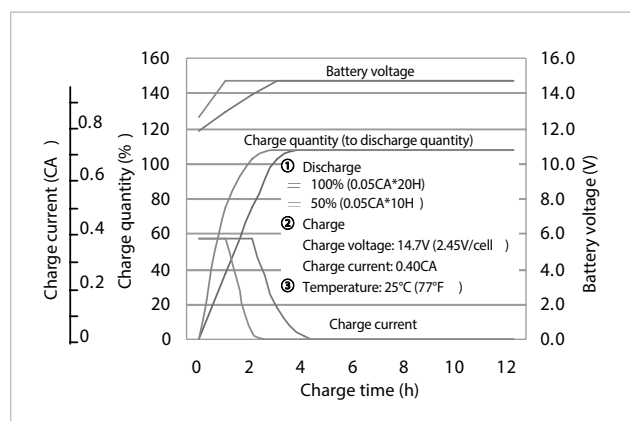
CYCLE LIFE VS. DEPTH OF DISCHARGE (ACC. IEC 61056)



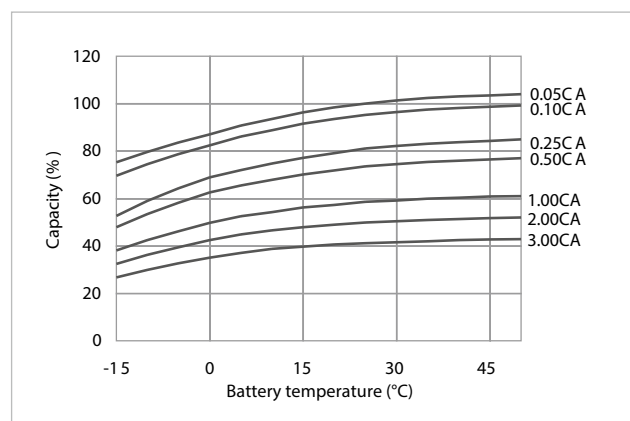
RESIDUAL CAPACITY TEST RESULT



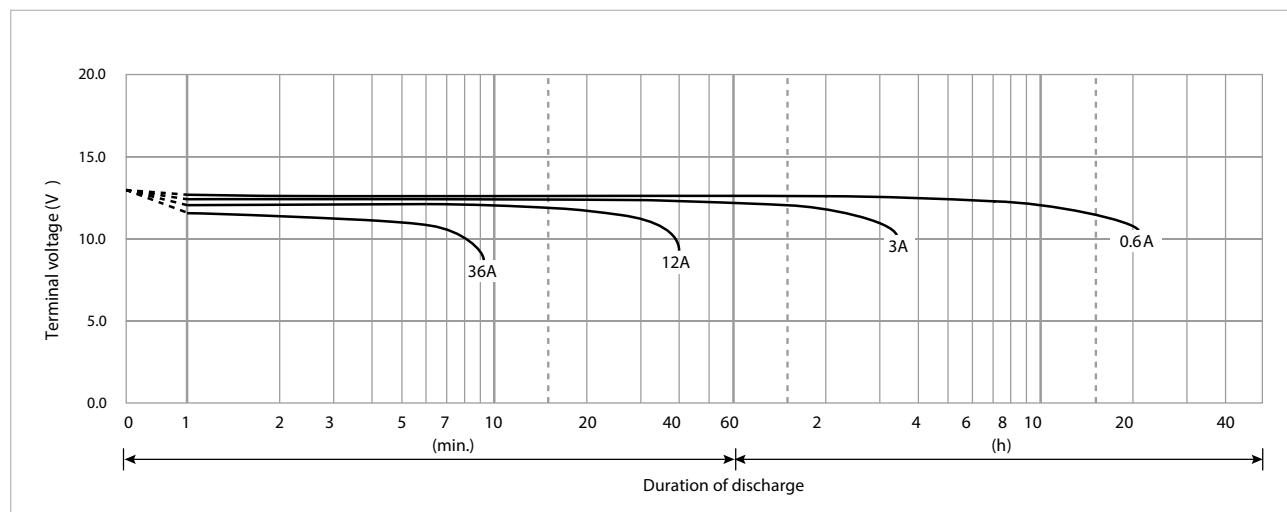
CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR CYCLE USE



DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



DISCHARGE CHARACTERISTICS



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