


POHL

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INDIVIDUAL DATA SHEETS

LC-R127R2PG/PG1* ¹

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

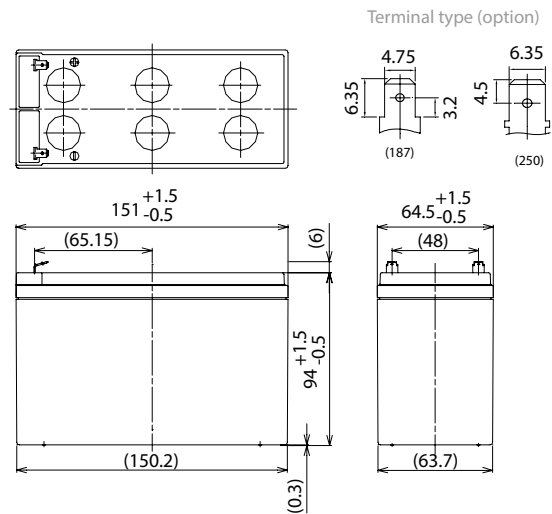
VdS

G193046

DIMENSIONS (MM)

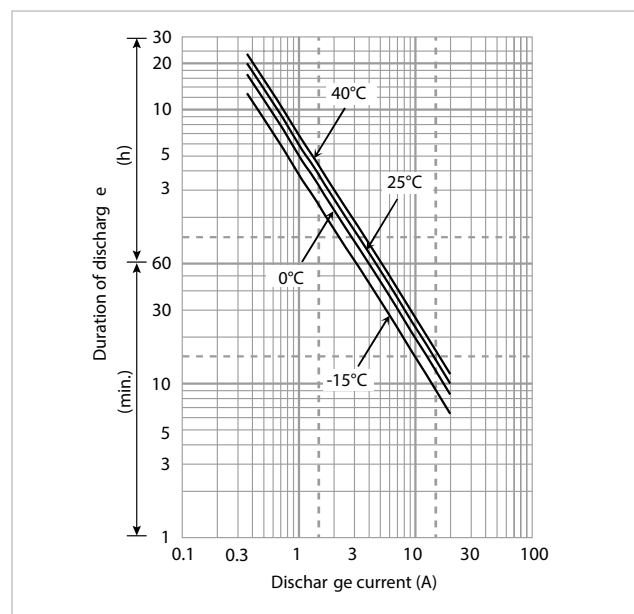


Contents indicated (including the recycle marking, etc.) are subject to change without notice. Battery case resin: standard (UL94 HB)



Specifications		LC-R127R2PG/PG1* ¹
Nominal voltage (V)		12
Nominal capacity	20 hours rate (Ah)	7.2
Dimensions	Length (mm)	64.5
	Width (mm)	151
	Total height (mm)	100
Approx. mass (kg)		2.50
Terminal type		Faston 187/250
Capacity (25°C)	20 hours rate (Ah)	7.2
	10 hours rate (Ah)	6.6
	3 hours rate (Ah)	5.8
	1 hour rate (Ah)	4.9
Impedance (mΩ)	Fully charged battery (25°C)	21
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	430	335	220	167	134	98.4	72.1	56.5	44.6	34.7	24.7	19.2	15.4	12.8	8.39	4.60
9.9V	405	287	187	159	130	96.4	71.6	55.1	43.7	34.4	24.5	19.1	15.3	12.5	8.35	4.59
10.2V	379	273	182	151	126	94.3	68.6	53.6	41.4	32.5	23.5	18.7	14.6	12.2	8.00	4.43
10.5V	343	248	174	144	120	90.8	66.8	52.4	39.8	31.5	23.0	18.3	14.5	12.1	7.96	4.42
10.8V	308	223	164	138	115	87.2	62.6	48.4	37.2	28.1	21.4	16.9	13.3	11.2	7.41	4.13

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	38.9	30.6	19.9	14.8	12.3	9.10	6.40	5.10	3.50	2.70	2.00	1.53	1.26	1.02	0.670	0.363
9.9V	36.1	28.7	19.5	14.7	12.1	9.00	6.36	5.05	3.43	2.68	1.99	1.52	1.25	1.01	0.667	0.362
10.2V	34.2	26.9	19.0	14.4	11.9	8.90	6.30	5.00	3.36	2.61	1.97	1.51	1.24	1.00	0.660	0.361
10.5V	31.4	24.1	17.6	13.4	11.3	8.70	6.20	4.90	3.29	2.52	1.94	1.50	1.23	0.988	0.657	0.360
10.8V	29.0	22.3	15.7	12.5	11.0	8.40	6.10	4.80	3.20	2.40	1.90	1.48	1.20	0.972	0.650	0.358

All mentioned values are average values

*¹ This battery is also available with a flame-retardant battery case resin (UL94 V-0): LC-V127R2PG/PG1.



LC-R127R2PG/PG1* 1

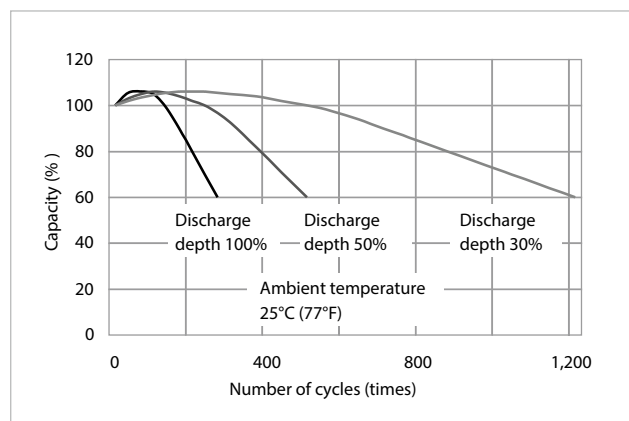
CHARGING METHOD (25°C)

Cycle use	Control voltage: 14.5V - 14.9V Initial current: 2.88A or smaller
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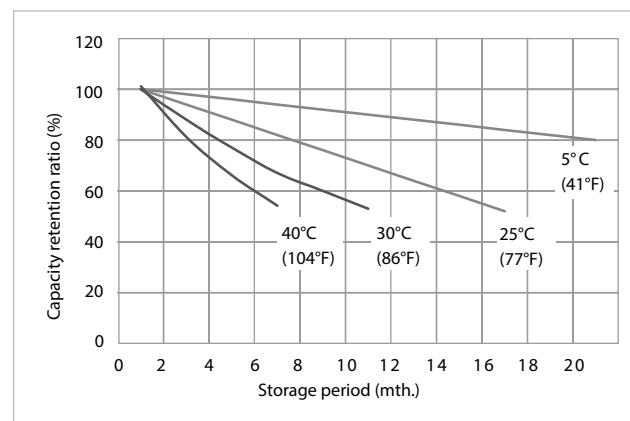
CUT-OFF VOLTAGE

Discharge current	0.360A - 1.44A	1.44A - 3.60A	3.60A - 7.20A	7.20A - 14.4A	14.4A - 21.6A
Cut-off voltage	10.5V	10.2V	9.9V	9.3V	8.7V

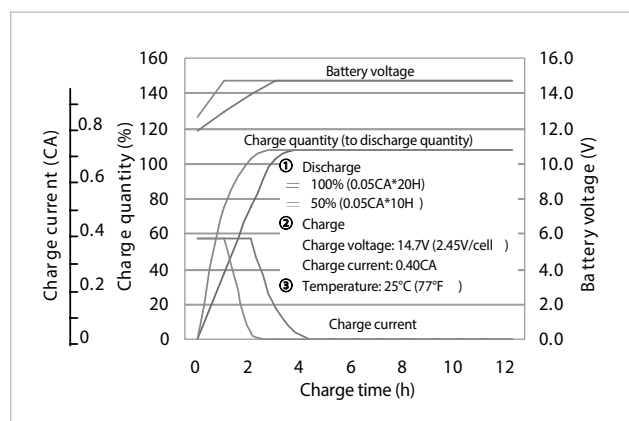
CYCLE LIFE VS. DEPTH OF DISCHARGE (ACC. IEC 61056)



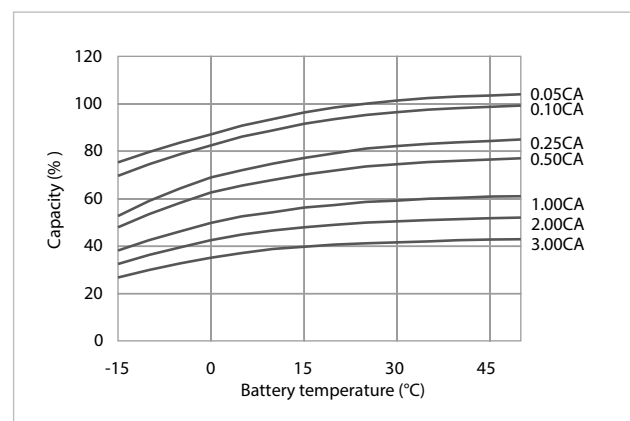
RESIDUAL CAPACITY TEST RESULT



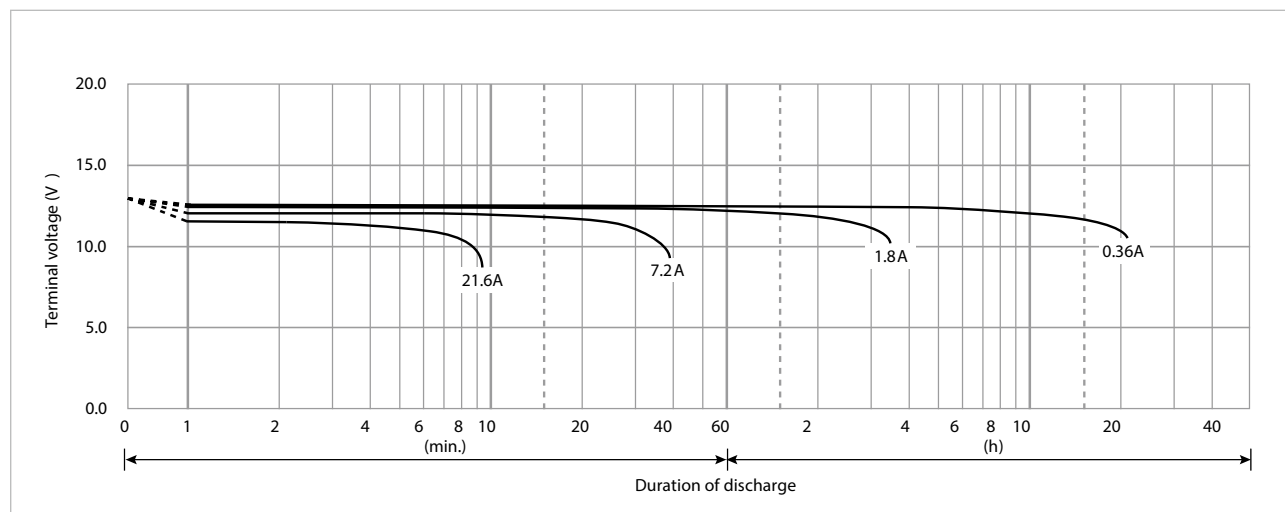
CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR CYCLE USE



DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



DISCHARGE CHARACTERISTICS



*1 This battery is also available with a flame-retardant battery case resin (UL94 V-0): LC-V127R2PG/PG1.