



INDIVIDUAL DATA SHEETS

LC-R122R2PG* ¹

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

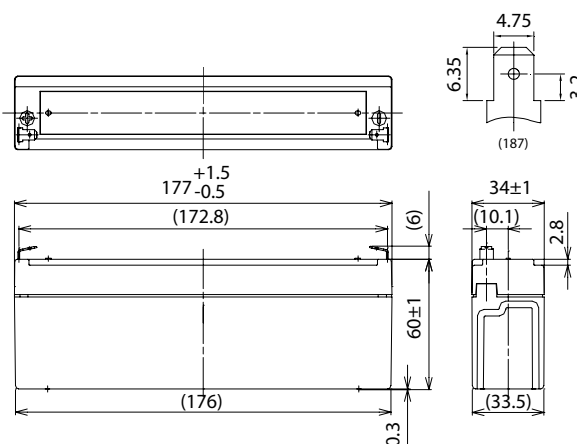
VdS

G188151

DIMENSIONS (MM)



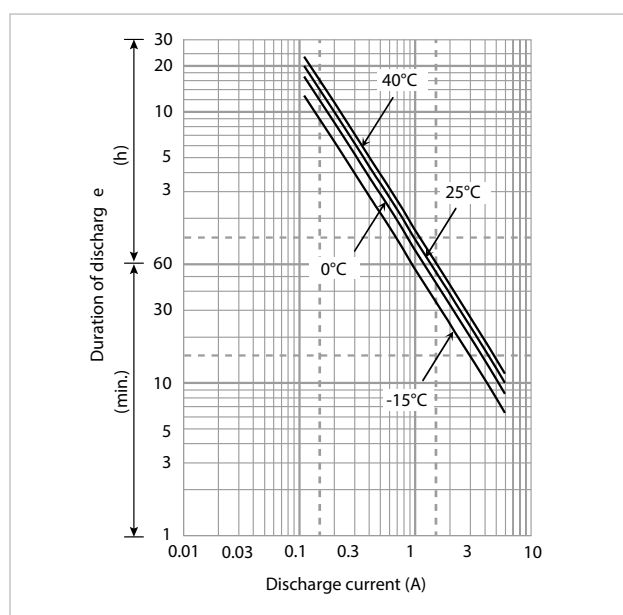
Terminal type



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

Specifications		LC-R122R2PG* ¹
Nominal voltage (V)		12
Nominal capacity		20 hours rate (Ah)
Dimensions	Length (mm)	34
	Width (mm)	177
	Total height (mm)	66
Approx. mass (kg)		0.80
Terminal type		Faston 187
Capacity (25°C)	20 hours rate (Ah)	2.2
	10 hours rate (Ah)	2.0
	3 hours rate (Ah)	1.8
	1 hour rate (Ah)	1.5
Impedance (mΩ)	Fully charged battery (25°C)	70
	40°C	102
Temperature dependency of capacity (%) – 20 hours rate	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	132	104	68.1	52.0	43.6	32.5	23.0	18.4	12.6	9.77	7.27	5.59	4.61	3.71	2.46	1.33
9.9V	123	97.8	66.7	51.7	42.9	32.2	22.8	18.2	12.4	9.70	7.24	5.55	4.58	3.69	2.45	1.33
10.2V	113	91.6	65.0	50.6	42.2	31.8	22.6	18.0	12.1	9.44	7.16	5.51	4.54	3.66	2.42	1.32
10.5V	101	82.1	60.2	47.1	40.1	31.1	22.2	17.6	11.9	9.12	7.05	5.48	4.50	3.62	2.41	1.32
10.8V	84.9	72.6	53.7	43.9	39.0	30.0	21.9	17.3	11.5	8.68	6.91	5.40	4.39	3.56	2.38	1.31

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	11.9	9.35	6.08	4.52	3.76	2.78	1.96	1.56	1.07	0.825	0.611	0.468	0.385	0.309	0.205	0.111
9.9V	11.0	8.77	5.96	4.49	3.70	2.75	1.94	1.55	1.05	0.819	0.608	0.464	0.382	0.308	0.204	0.111
10.2V	10.2	8.22	5.81	4.40	3.64	2.72	1.93	1.53	1.03	0.798	0.602	0.461	0.379	0.306	0.202	0.110
10.5V	9.04	7.36	5.38	4.09	3.45	2.66	1.89	1.50	1.01	0.770	0.593	0.458	0.376	0.302	0.201	0.110
10.8V	7.64	6.51	4.80	3.82	3.36	2.57	1.86	1.47	0.978	0.733	0.581	0.452	0.367	0.297	0.199	0.109

All mentioned values are average values

*¹ This battery is also available with a flame-retardant battery case resin (UL94 V-0): LC-V122R2PG.



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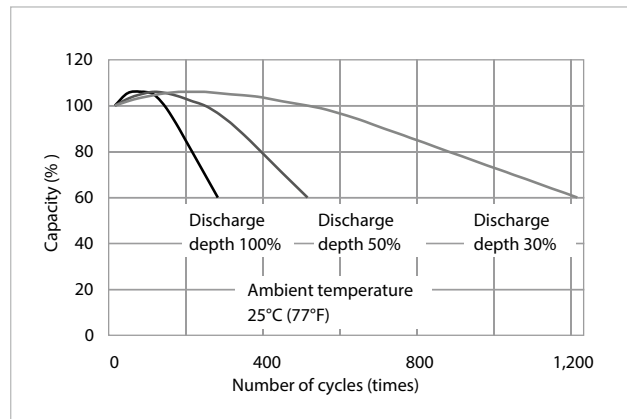
CHARGING METHOD (25°C)

Cycle use	Control voltage: 14.5V - 14.9V Initial current: 0.88A or smaller
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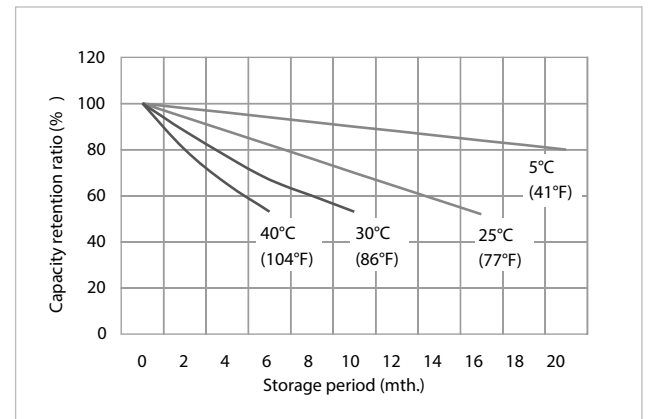
CUT-OFF VOLTAGE

Discharge current	0.110A - 0.440A	0.440A - 1.10A	1.10A - 2.20A	2.20A - 4.40A	4.40A - 6.60A
Cut-off voltage	10.5V	10.2V	9.9V	9.3V	8.7V

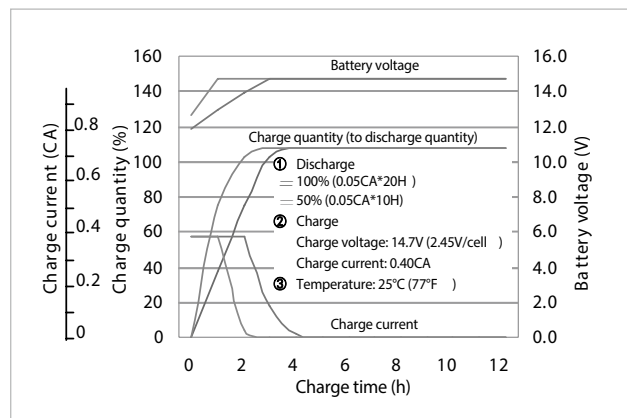
CYCLE LIFE VS. DEPTH OF DISCHARGE (ACC. IEC 61056)



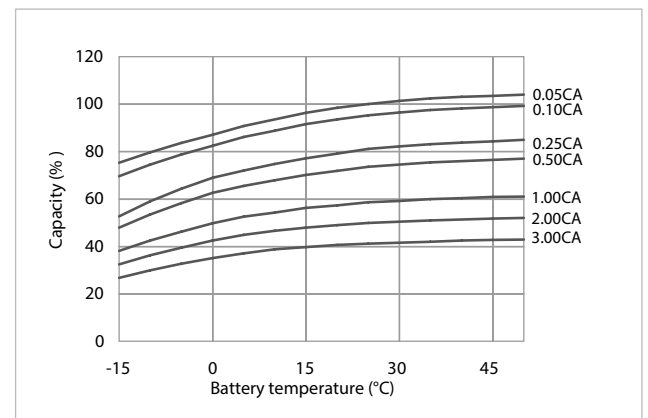
RESIDUAL CAPACITY TEST RESULT



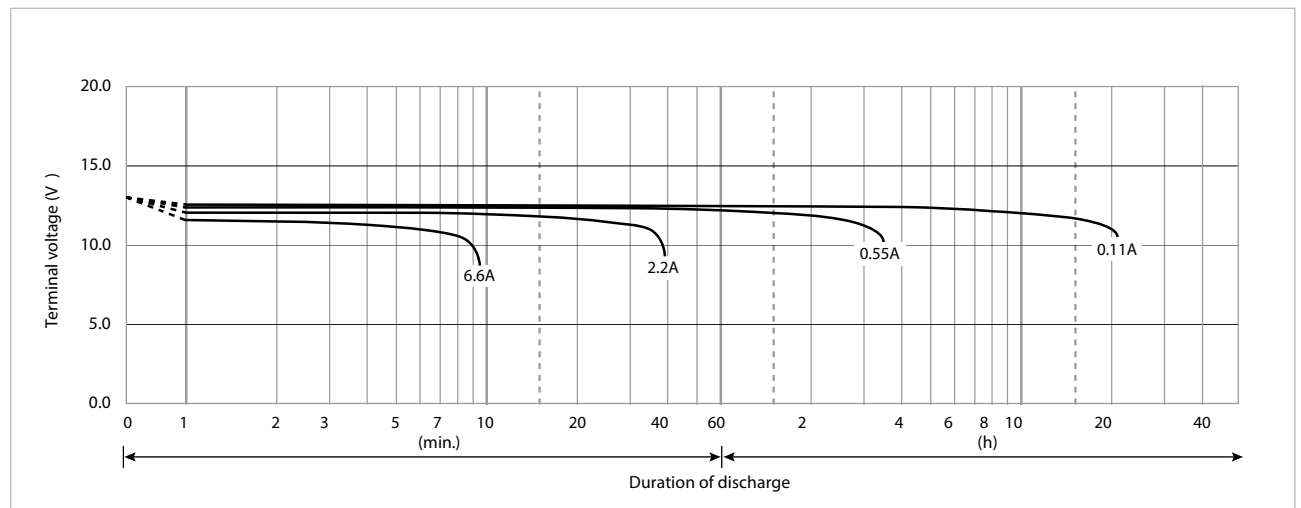
CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR CYCLE USE



DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



DISCHARGE CHARACTERISTICS



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