



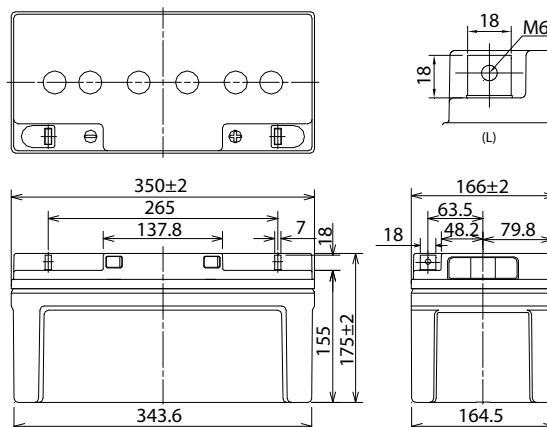
LC-T1270P

FOR ENERGY STORAGE APPLICATIONS.
CYCLE LONG-LIFE TYPE

DIMENSIONS (MM)



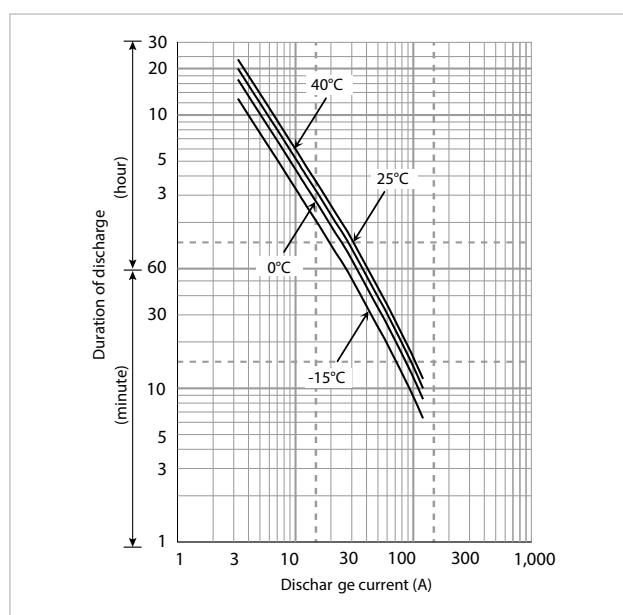
Terminal type



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

Specifications		LC-T1270P
Nominal voltage (V)		12
Nominal capacity	20 hours rate (Ah)	70
Dimensions	Length (mm)	166
	Width (mm)	350
	Total height (mm)	175
Approx. mass (kg)		24.5
Terminal type		M6 bolt/nut
Capacity (25°C)	20 hours rate (Ah)	70
	10 hours rate (Ah)	66
	3 hours rate (Ah)	56.0
	1 hour rate (Ah)	43.0
Impedance (mΩ)	Fully charged battery (25°C)	6
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	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	2,312	1,815	1,391	1,078	855	662	504.0	387.0	303.0	241.9	170.0	142.0	126.0	80.90	43.70
9.9V	2,245	1,779	1,364	1,073	846	651	491.0	379.0	295.0	237.2	166.0	138.0	122.0	78.10	43.40
10.2V	2,179	1,745	1,337	1,055	836	639	477.0	368.4	287.0	230.3	163.0	134.0	118.0	75.50	43.20
10.5V	2,116	1,710	1,311	1,002	817	621	464.0	361.1	283.0	217.0	159.0	130.0	115.0	75.20	40.50
10.8V	2,054	1,677	1,285	956	774	609	458.0	350.6	276.0	210.7	155.0	128.0	113.0	73.70	39.80

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	251	175	130	105	79.2	59.6	47.3	36.5	27.4	20.3	15.0	12.6	10.5	6.65	3.56
9.9V	244	172	127	102	77.6	58.4	45.9	35.5	27.3	19.7	14.9	12.2	10.2	6.63	3.53
10.2V	239	167	125	101	76.1	56.7	44.5	34.6	27.2	19.1	14.8	11.9	10.1	6.62	3.52
10.5V	229	162	123	98	74.9	55.1	43.3	33.9	26.5	18.6	14.7	11.8	10.0	6.55	3.50
10.8V	203	159	119	95	72.3	54.2	42.0	33.0	25.2	18.2	14.5	11.5	9.80	6.50	3.49

All mentioned values are average values

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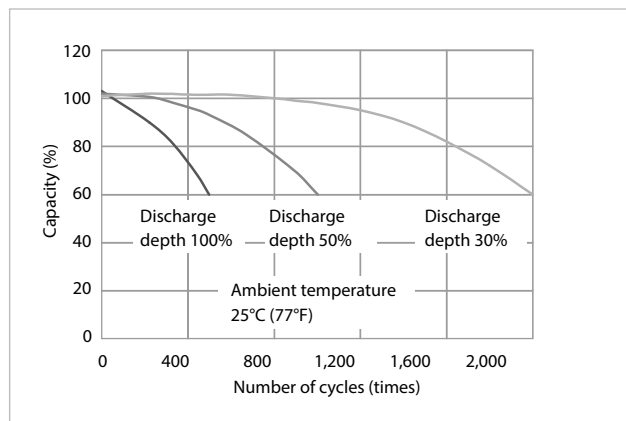
CHARGING METHOD (25°C)

Cycle use	Control voltage: 14.5V - 14.9V Initial current: 28.0A or smaller
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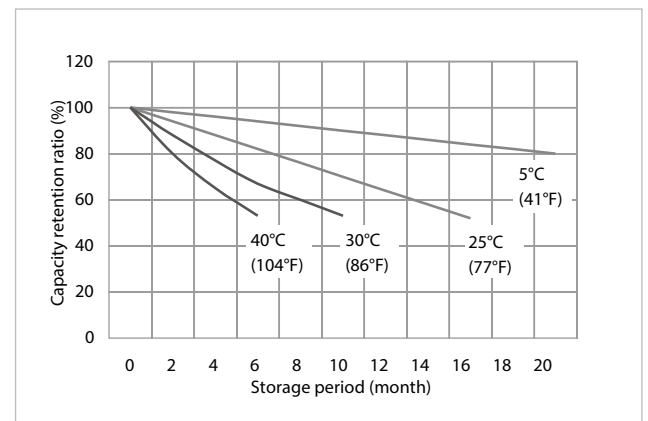
CUT-OFF VOLTAGE

Discharge current	3.5A - 14.0A	14.0A - 35A	35A - 70.0A	70A - 140A	140A - 210A
Cut-off voltage	10.5V	10.2V	9.9V	9.3V	8.7V

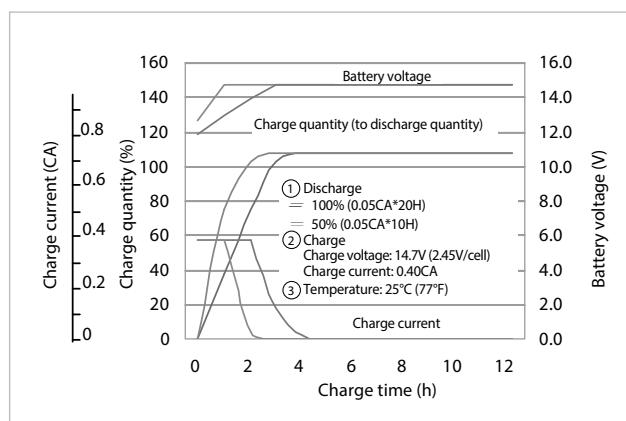
CYCLE LIFE VS. DEPTH OF DISCHARGE (ACC. IEC 61056)



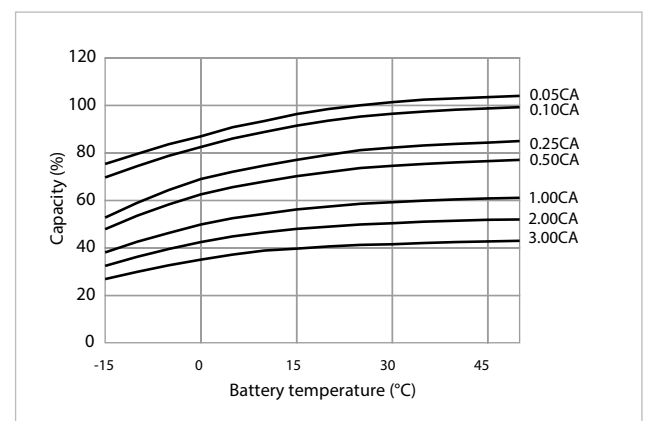
RESIDUAL CAPACITY TEST RESULT



CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR CYCLE USE



DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



DISCHARGE CHARACTERISTICS

