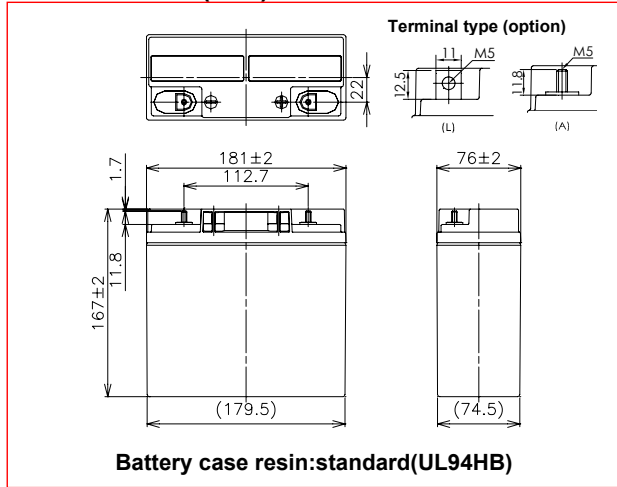


LC-XC1221

For main power supplies
Cycle long life type.



■ Dimensions(mm)



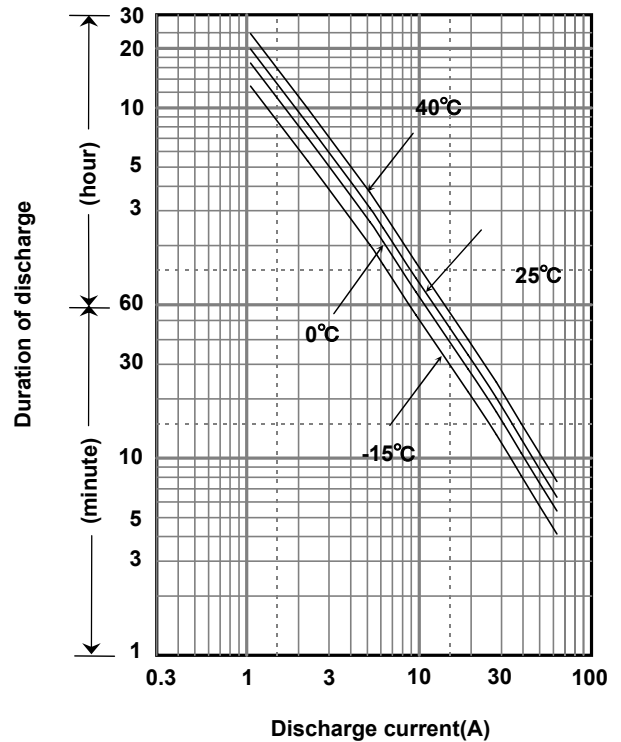
■ Specification

Nominal Voltage		12V
Rated Capacity(20HR)		21Ah
Dimensions	Length	181 mm
	Width	76 mm
	Height	167 mm
	Total height	167 mm
Approx. Mass		6.5kg
Terminal		M5 threaded post Bolt and Nut type

■ Characteristics

Capacity (25 °C)	20 hour rate	21Ah
	10 hour rate	18.5Ah
	5 hour rate	17Ah
	1 hour rate	12Ah
Internal Resistance	Fully charged battery (25 °C)	13mΩ
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 months	91%
	After 6 months	82%
	After 12 months	64%

■ Duration of discharge vs. discharge current



■ Watt Table(25°C)

Cut-off V	(Wattage/Battery)														
	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	589	450	377	281	193	154	106	90.3	67.2	51.6	42.6	34.3	22.9	12.4	10.4
9.9V	577	447	371	278	192	154	104	89.6	66.9	51.3	42.3	34.1	22.8	12.4	10.3
10.2V	562	437	365	275	190	151	102	87.3	66.2	51.0	42.0	33.9	22.6	12.4	10.3
10.5V	521	407	346	269	187	148	100	84.3	65.2	50.6	41.6	33.5	22.5	12.3	10.3
10.8V	465	380	337	260	184	145	97.1	80.3	63.9	49.9	40.6	32.9	22.2	12.3	10.2

■ Ampere Table(25°C)

Cut-off V	(Ampere/Battery)														
	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	57.4	41.5	35.4	25.3	17.8	13.6	9.14	7.05	5.22	3.99	3.29	2.64	1.95	1.06	0.884
9.9V	56.2	41.2	34.9	25.0	17.7	13.6	8.96	7.00	5.20	3.97	3.26	2.63	1.95	1.06	0.881
10.2V	54.8	40.4	34.3	24.7	17.5	13.3	8.77	6.81	5.14	3.94	3.24	2.61	1.93	1.05	0.878
10.5V	50.7	37.6	32.6	24.2	17.2	13.1	8.59	6.58	5.07	3.92	3.21	2.58	1.92	1.05	0.875
10.8V	45.2	35.1	31.7	23.4	17.0	12.8	8.36	6.27	4.96	3.86	3.13	2.54	1.90	1.04	0.869

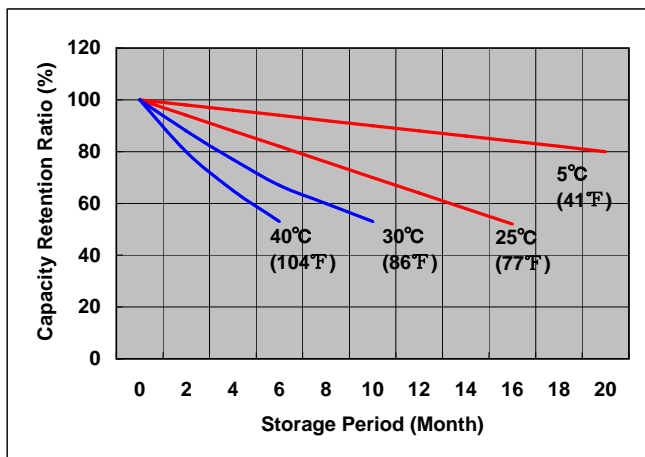
■ Charging Method (25°C)

Cycle use	Control voltage 14.5-14.9V; Initial current 8.4A or smaller
-----------	---

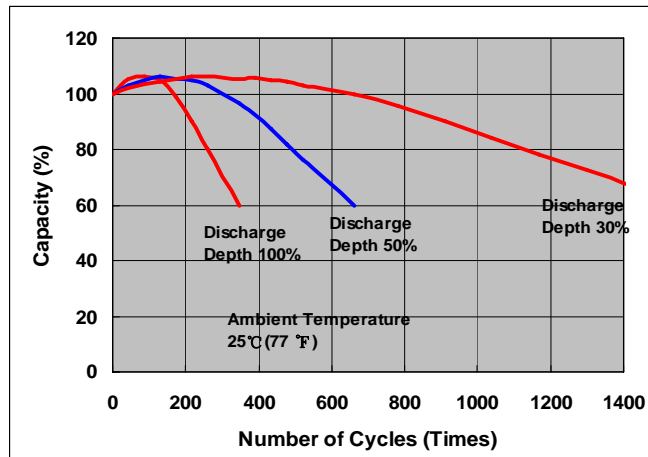
■ Cut off voltage

Discharge current	1.05A-4.2A	4.2A-10.5A	10.5A-21A	21A-42A	42A-63A
Cut off voltage(V)	10.5	10.2	9.9	9.3	8.7

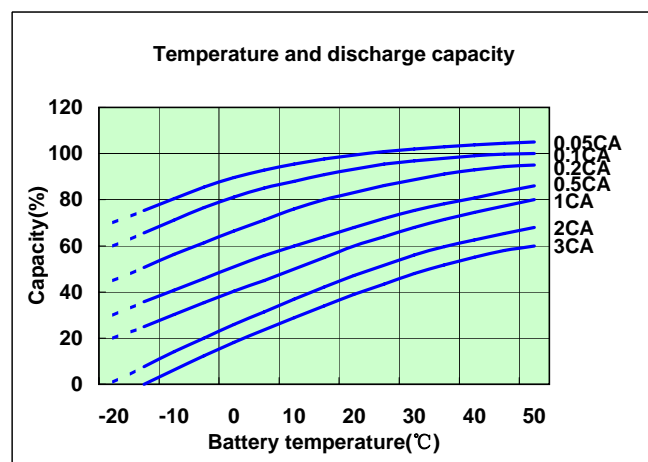
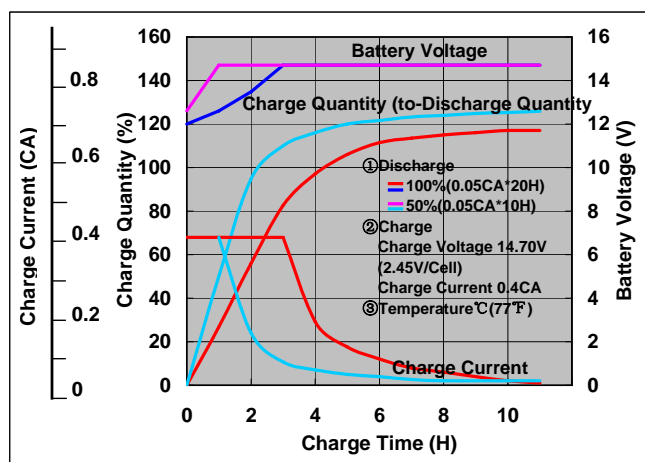
■ Residual capacity test result



■ Cycle life vs. Depth of discharge



■ Constant-voltage and constant-current charge characteristics ■ Discharge capacity by temperature and by discharge current



■ Discharge characteristics(25°C)

