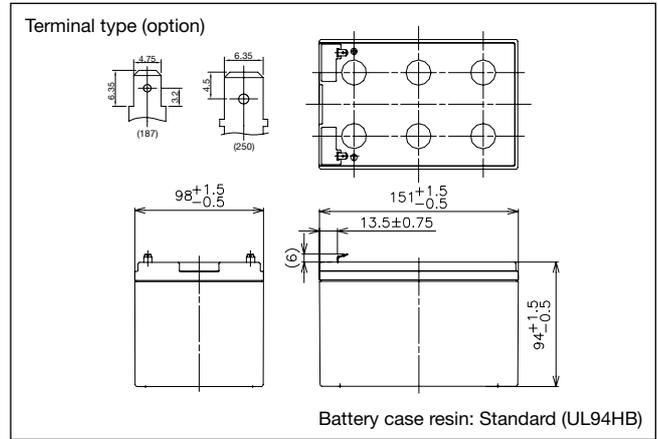


**LC-CA1212P**

For main power supplies.  
Cycle long life type.



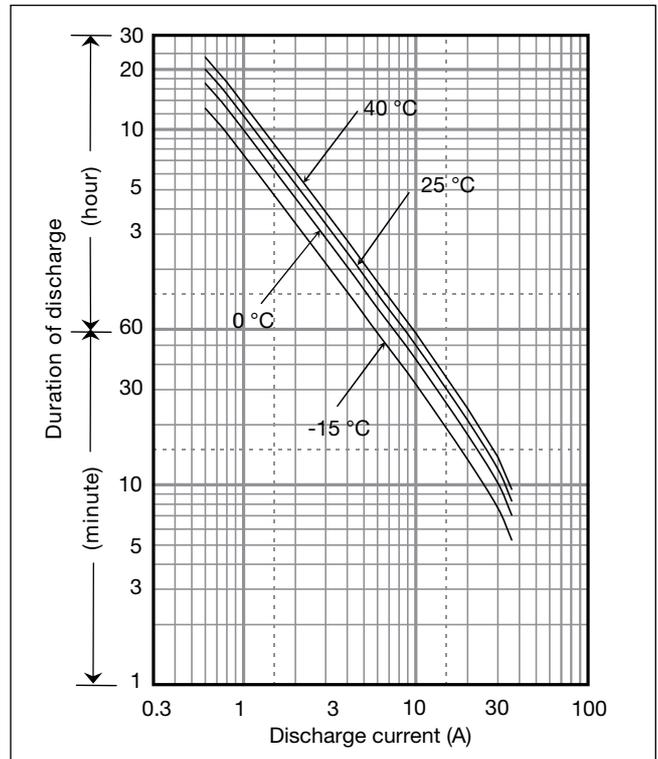
**Dimensions (mm)**



**Specifications**

Nominal voltage	12 V	
Nominal capacity (20 hour rate)	12 Ah	
Dimensions	Length	151 mm
	Width	98 mm
	Height	94 mm
	Total Height	100 mm
Approx. mass	3.8 kg	
Terminal	Faston 187 or Faston 250 with hole	

**Duration of discharge vs Discharge current**



**Characteristics**

Capacity (25 °C)	20 hour rate	12.0 Ah
	10 hour rate	11.3 Ah
	5 hour rate	10.4 Ah
	1 hour rate	8.1 Ah
Internal resistance	Fully charged battery (25 °C)	30 mΩ
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 %

**Watt Table**

(Wattage/Battery)

Cut-off V	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
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	6.02
9.9V	649	537	373	288	241	177	135	104	69.9	54.2	37.8	28.8	24.1	21.7	13.3	7.22	6.02
10.2V	607	506	363	282	235	177	134	102	69.1	53.9	37.5	28.8	24.0	21.6	13.2	7.21	6.01
10.5V	556	475	343	271	231	172	133	100	68.5	53.3	36.9	28.7	24.0	21.6	13.2	7.20	6.00
10.8V	495	434	321	261	225	166	123	98	66.1	52.1	36.3	28.4	23.8	21.5	13.1	7.18	5.98

**Ampere Table**

(Ampere/Battery)

Cut-off V	3min	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
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	0.502
9.9V	58.4	48.2	33.3	25.0	20.8	15.1	11.5	8.80	5.92	4.58	3.18	2.41	2.01	1.81	1.11	0.602	0.502
10.2V	54.6	45.4	32.4	24.5	20.3	15.1	11.4	8.70	5.85	4.55	3.15	2.41	2.00	1.80	1.10	0.601	0.501
10.5V	50.0	42.6	30.6	23.6	19.9	14.7	11.3	8.50	5.80	4.50	3.10	2.40	2.00	1.80	1.10	0.600	0.500
10.8V	44.5	38.9	28.7	22.7	19.4	14.2	10.5	8.30	5.60	4.40	3.05	2.38	1.99	1.79	1.09	0.598	0.498

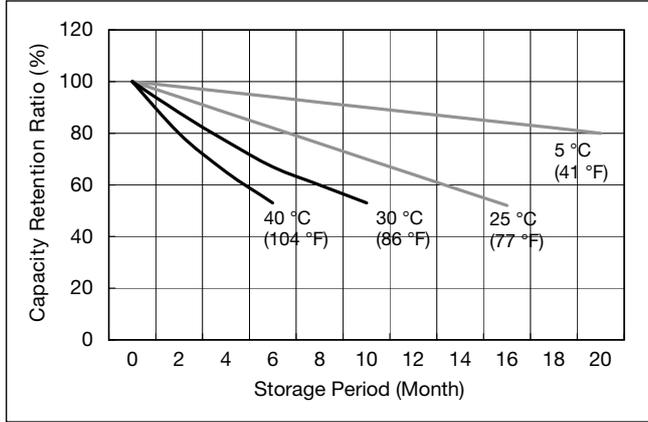
**Charging Method**

Cycle Use	Control voltage 14.5 - 14.9 V; Initial current 4.8 A or smaller
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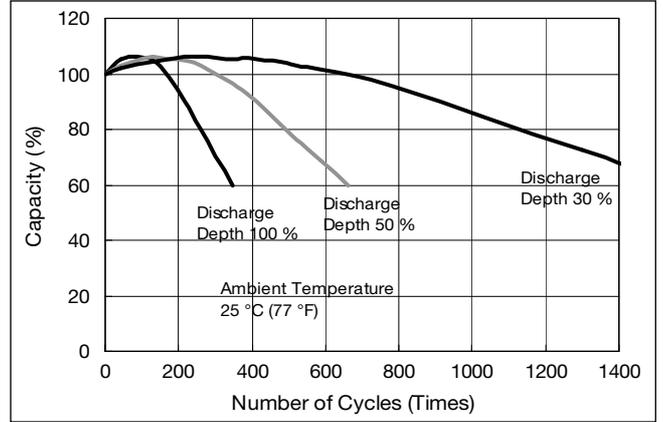
**Cut off voltage**

Discharge current	0.6 A - 2.4 A	2.4 A - 6 A	6 A - 12 A	12 A - 24 A	24 A - 36 A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

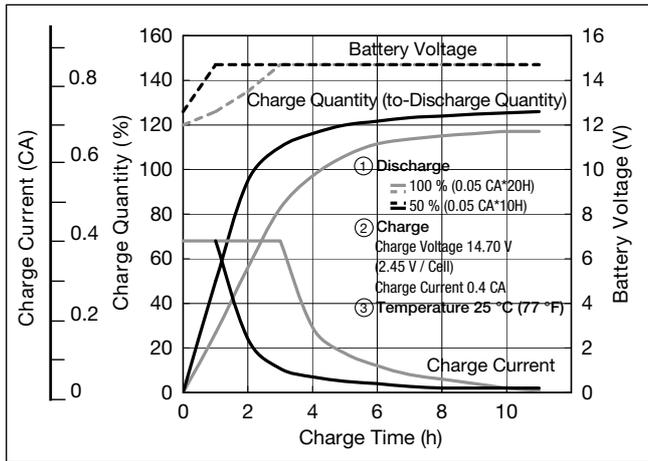
**Residual capacity vs storage period**



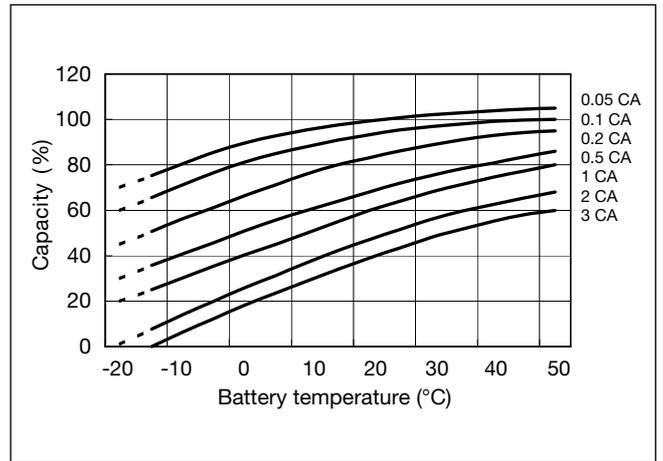
**Cycle life vs Depth of discharge**



**Constant-voltage and constant-current charge characteristics**



**Discharge capacity by temperature and by discharge current**



**Discharge characteristics**

