

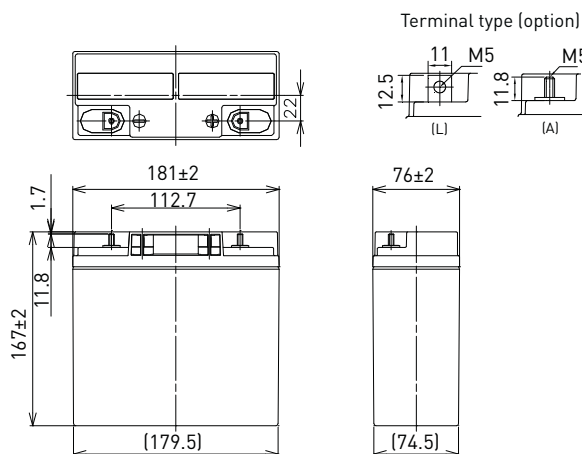
LC-XD1217P\*1

FOR STANDBY POWER SUPPLIES.  
 EXPECTED TRICKLE DESIGN LIFE: 10 - 12 YEARS  
 AT 20°C ACCORDING TO EUROBAT.



G104101

DIMENSIONS (MM)



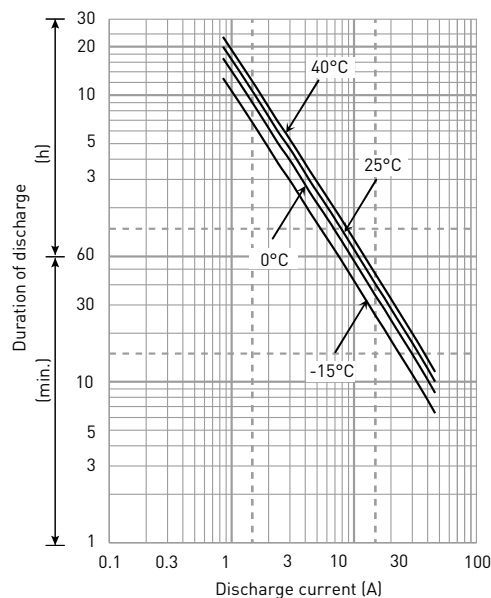
Contents indicated (including the recycle marking, etc.) are subject to change without notice.

Battery case resin: standard (UL94 HB)

SPECIFICATIONS

<b>Name</b>		LC-XD1217PG/APG*1
<b>Nominal voltage</b>		12V
<b>Nominal capacity (20 hour rate)</b>		17Ah
<b>Dimensions</b>	<b>Length</b>	181mm
	<b>Width</b>	76mm
	<b>Height</b>	167mm
<b>Approx. mass</b>		5.900kg
<b>Terminal</b>	M5 bolt/nut & threaded post	
<b>Capacity (25°C)</b>	<b>20 hour rate</b>	17Ah
	<b>10 hour rate</b>	16Ah
	<b>3 hour rate</b>	14Ah
	<b>1 hour rate</b>	12Ah
<b>Impedance</b>	<b>Fully charged battery (25°C)</b>	12mΩ
<b>Temperature dependency of capacity (20 hour rate)</b>	<b>40°C</b>	102%
	<b>25°C</b>	100%
	<b>0°C</b>	85%
	<b>-15°C</b>	65%
<b>Remaining capacity (25°C)</b>	<b>After 3 month</b>	91%
	<b>After 6 month</b>	82%
	<b>After 12 month</b>	64%

DURATION OF DISCHARGE VS. DISCHARGE CURRENT



WATT TABLE (25°C)

Cut-off	3min.	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	1,021	806	526	402	337	251	177	142	97.6	75.5	56.2	43.2	35.6	28.6	19.0	10.3
9.9V	948	756	516	399	331	249	176	140	95.6	74.9	55.9	42.9	35.4	28.5	18.9	10.3
10.2V	874	708	502	391	326	246	175	139	93.7	73.0	55.4	42.6	35.1	28.3	18.7	10.2
10.5V	777	634	465	364	309	240	172	136	91.7	70.4	54.5	42.3	34.8	28.0	18.6	10.2
10.8V	656	561	415	339	301	232	169	134	89.2	67.1	53.4	41.8	33.9	27.5	18.4	10.1

AMPERE TABLE (25°C)

Cut-off	3min.	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	91.8	72.2	47.0	34.9	29.0	21.5	15.1	12.0	8.26	6.37	4.72	3.61	2.97	2.39	1.58	0.86
9.9V	85.2	67.8	46.0	34.7	28.6	21.2	15.0	11.9	8.10	6.33	4.70	3.59	2.95	2.38	1.57	0.85
10.2V	78.6	63.5	44.9	34.0	28.1	21.0	14.9	11.7	7.93	6.16	4.65	3.57	2.93	2.36	1.56	0.85
10.5V	69.9	56.9	41.6	31.6	26.7	20.5	14.6	11.6	7.77	5.95	4.58	3.54	2.90	2.33	1.55	0.85
10.8V	59.0	50.3	37.1	29.5	26.0	19.8	14.4	11.3	7.56	5.67	4.49	3.49	2.83	2.29	1.53	0.85

All mentioned values are average values

## LC-XD1217P\*1

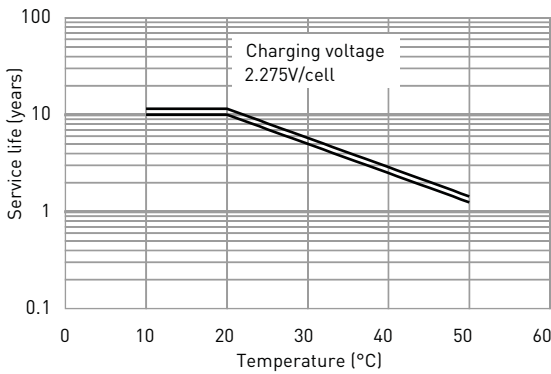
### CHARGING METHOD (25°C)

**Trickle use** Control voltage: 13.6V - 13.8V  
Initial current: 2.55A or smaller

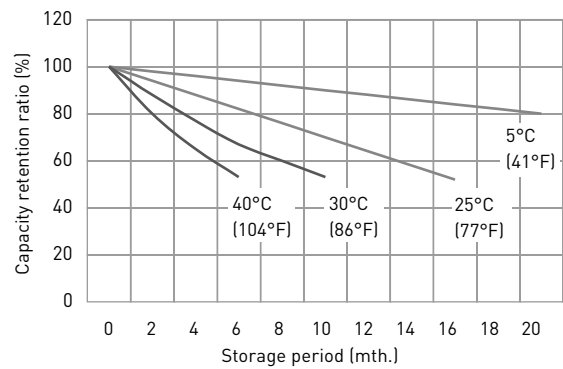
### CUT-OFF VOLTAGE

<b>Discharge current</b>	0.850A - 3.40A	3.40A - 8.50A	8.50A - 17.0A	17.0A - 34.0A	34.0A - 51.0A
<b>Cut-off voltage</b>	10.5V	10.2V	9.9V	9.3V	8.7V

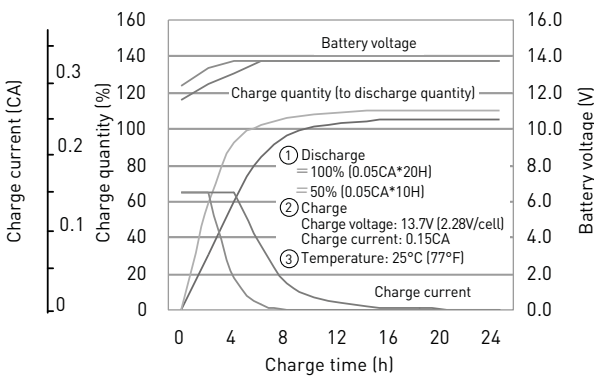
### INFLUENCE OF TEMPERATURE ON TRICKLE LIFE



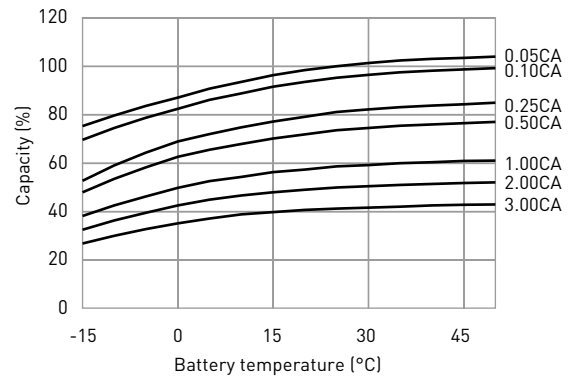
### RESIDUAL CAPACITY TEST RESULT



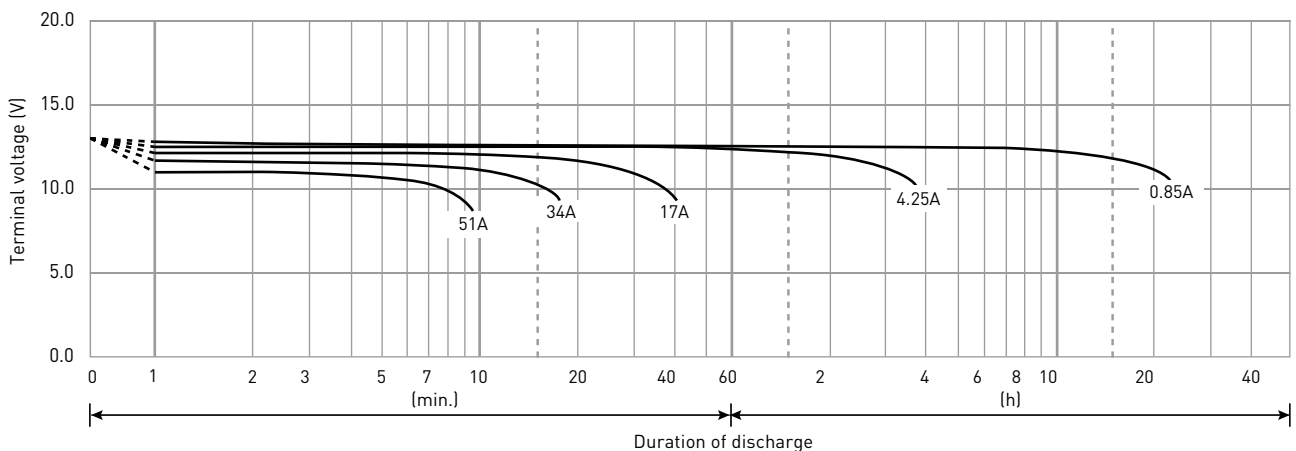
### CONSTANT-VOLTAGE CONSTANT-CURRENT CHARGE CHARACTERISTICS FOR TRICKLE USE



### DISCHARGE CAPACITY BY TEMPERATURE AND BY DISCHARGE CURRENT



### DISCHARGE CHARACTERISTICS



The data in this document are for descriptive purposes only and are not intended to make or imply any guarantee or warranty. Regarding handling and safety please consult our VRLA technical handbook chapter 1.

\*1 This battery is also available with a flame retardant battery case resin (UL94 V-0): LC-PD1217PG/APG.