LC-XD1217PG/APG*

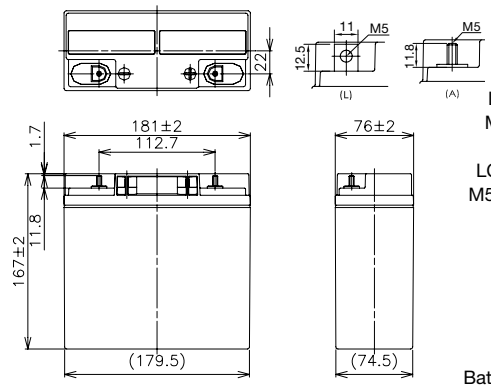
For standby power supplies. Expected trickle design life:
10 – 12 years at 20 °C according to Eurobat.

VdS

G104101

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

Dimensions (mm)



Terminal type (option):

LC-XD1217PG: M5 bolt and nut

LC-XD1217APG: M5 threaded post

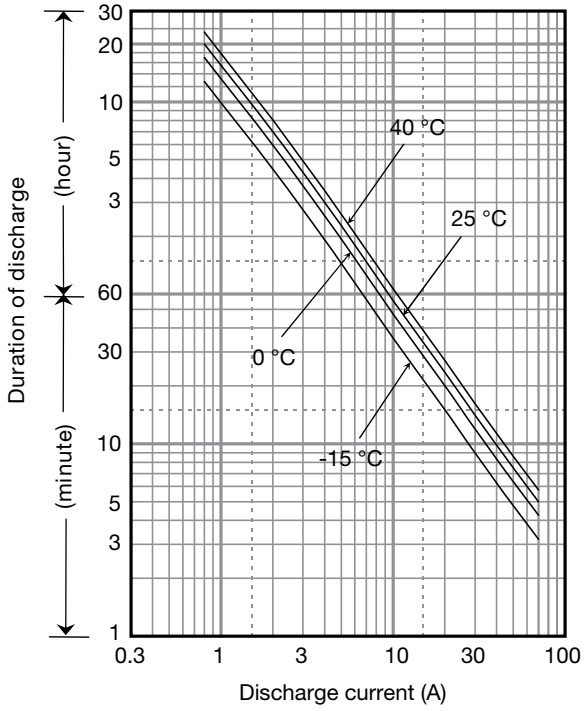
Battery case resin: standard (UL94HB)

Specifications

Nominal voltage		12 V
Nominal capacity (20 hour rate)		17 Ah
Dimensions	Length	181 mm
	Width	76 mm
	Height	167 mm
	Total Height	167 mm
Approx. mass		6.5 kg
Terminal		M5 Bolt and Nut type/ M5 threaded post

* This battery is also available with a flame retardant battery case resin (UL94V-0).

Duration of discharge vs Discharge current



Characteristics

Capacity (25 °C)	20 hour rate 10 hour rate 5 hour rate 1 hour rate	17 Ah 15 Ah 13 Ah 10 Ah
Internal resistance	Fully charged battery (25 °C)	12 mΩ
Temperature dependency of capacity (20 hour rate)	40 °C 25 °C 0 °C -15 °C	102 % 100 % 85 % 65 %
Self discharge (25 °C)	After 3 months After 6 months After 12 months	91 % 82 % 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	1021	806	526	402	337	251	177	142	97.6	75.5	56.2	43.2	35.6	28.6	19.0	10.3	8.58
9.9V	948	756	516	399	331	249	176	142	95.6	74.9	55.9	42.9	35.4	28.5	18.9	10.3	8.56
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	8.53
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	8.50
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	8.44

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	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	0.72
9.9V	85.2	67.8	46.0	34.7	28.6	21.2	15.0	12.0	8.10	6.33	4.70	3.59	2.95	2.38	1.57	0.85	0.71
10.2V	78.6	63.5	44.9	34.0	28.1	21.0	14.9	11.8	7.93	6.16	4.65	3.57	2.93	2.36	1.56	0.85	0.71
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	0.71
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	0.70

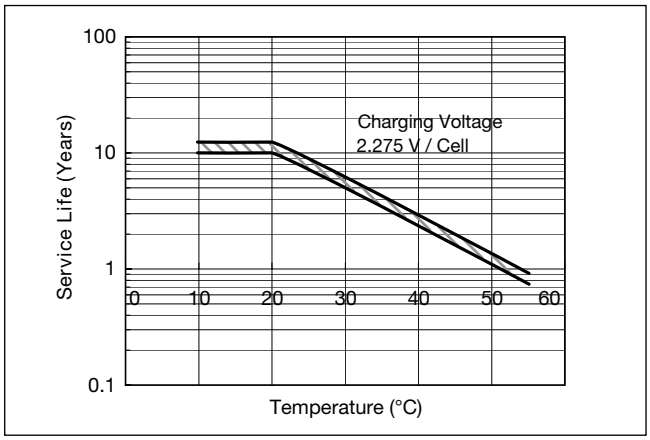
Charging Method

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

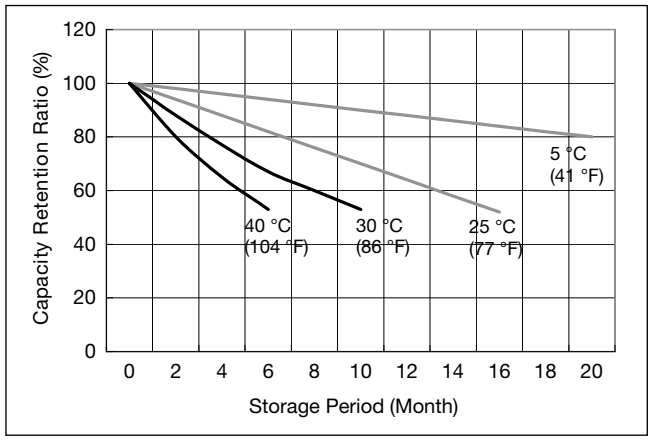
Cut off voltage

Discharge current	0.85 A - 3.4 A	3.4 A - 8.5 A	8.5 A - 17 A	17 A - 34 A	34 A - 51 A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

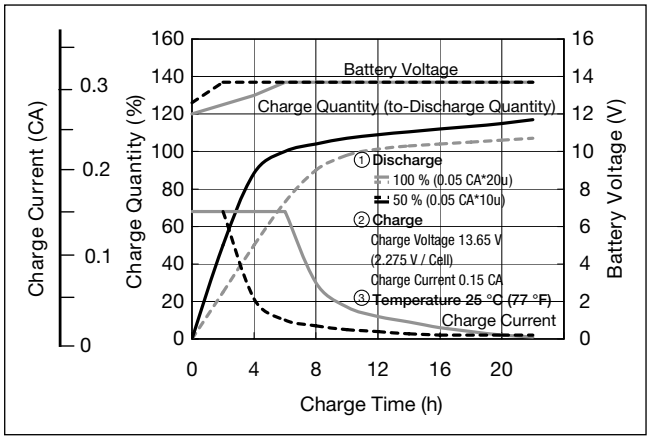
Influence of Temperature on Trickle life



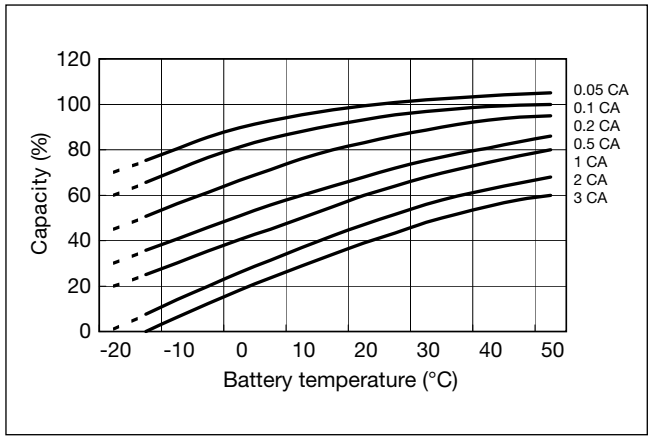
Residual capacity vs storage period



Constant-voltage and constant-current charge characteristics for Trickle use



Discharge capacity by temperature and by discharge current



Discharge characteristics