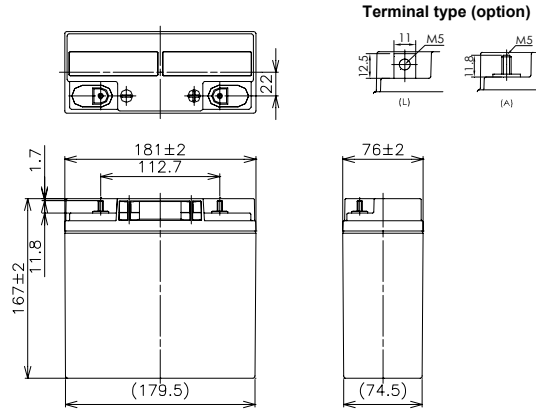
Panasonic
ideas for life

LC-RD1217

For main power supplies
Cycle life type

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

■Dimensions(mm)



Battery case resin:standard(UL94HB)

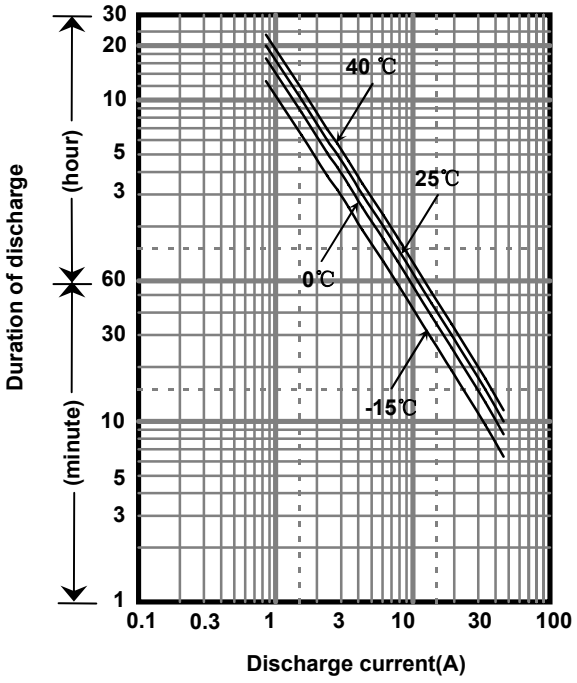
■Specifications

Nominal Voltage		12V
Rated Capacity(20HR)		17Ah
Dimensions	Length	181 mm
	Width	76 mm
	Height	167 mm
	Total height	167 mm
Approx. Mass		5.85 kg
Terminal		M5 threaded post

■Characteristics

Capacity (25 ℃)	20 hour rate	17Ah
	10 hour rate	16Ah
	3 hour rate	13Ah
	1 hour rate	11Ah
Internal Resistance (25 ℃)	Fully charged battery	13 mΩ
Temperature Dependency of Capacity (20 hour rate)	40 ℃	102%
	25 ℃	100%
	0 ℃	85%
	-15 ℃	65%
Self Discharge (25 ℃)	After 3 months	91%
	After 6 months	82%
	After 12 months	64%

■Duration of discharge vs. discharge current



■Watt Table(25℃)

(Wattage/Battery)

Cut-off V	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	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	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	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	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	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℃)

(Ampere/Battery)

Cut-off V	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	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	1.65	0.857
9.9V	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	1.64	0.855
10.2V	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	1.63	0.852
10.5V	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	1.62	0.850
10.8V	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	1.60	0.845

All mentioned values are average values

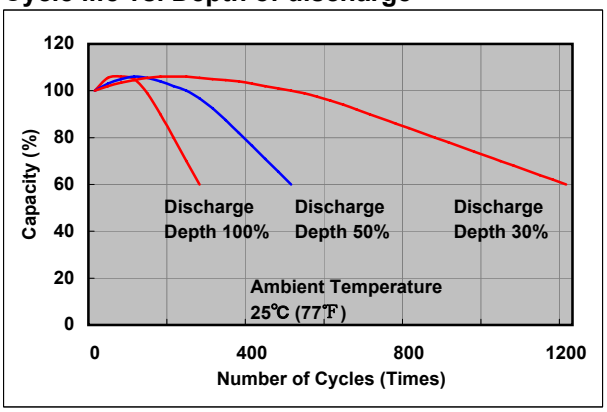
■Charging Method (25℃)

Cycle use	Control voltage: 14.5-14.9V Initial current: 6.80A or smaller

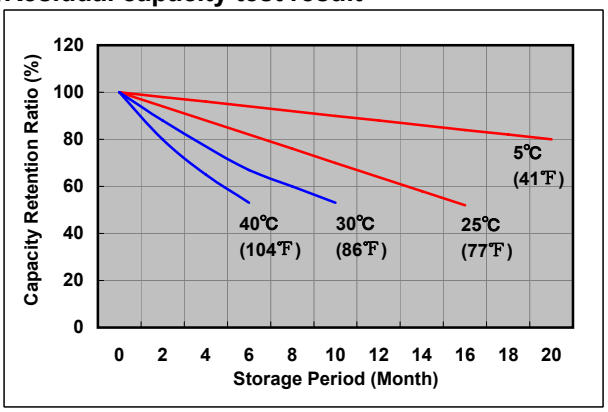
■Cut off voltage

Discharge current	0.850A-3.40A	3.40A-8.50A	8.50A-17.0A	17.0A-34.0A	34.0A-51.0A
Cut off voltage(V)	10.5	10.2	9.9	9.3	8.7

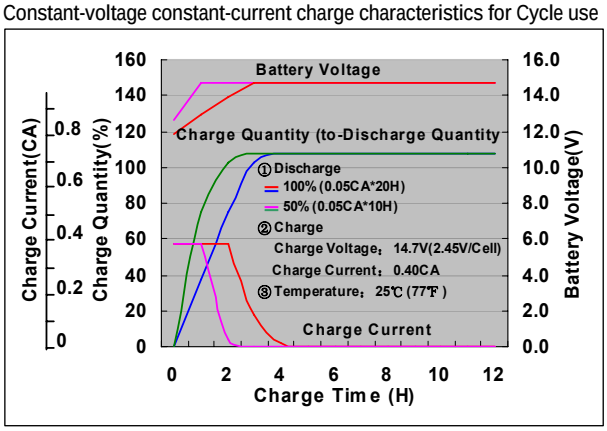
■Cycle life vs. Depth of discharge



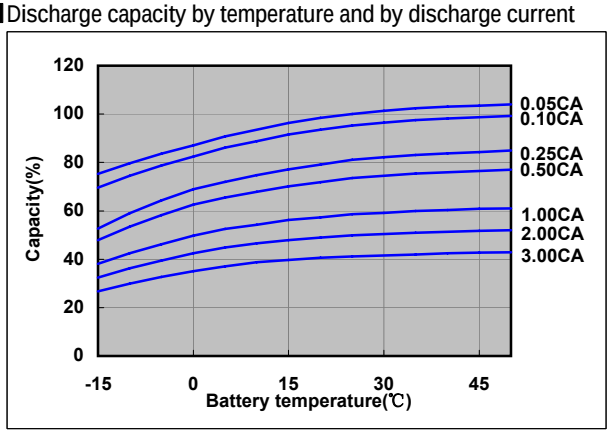
■Residual capacity test result



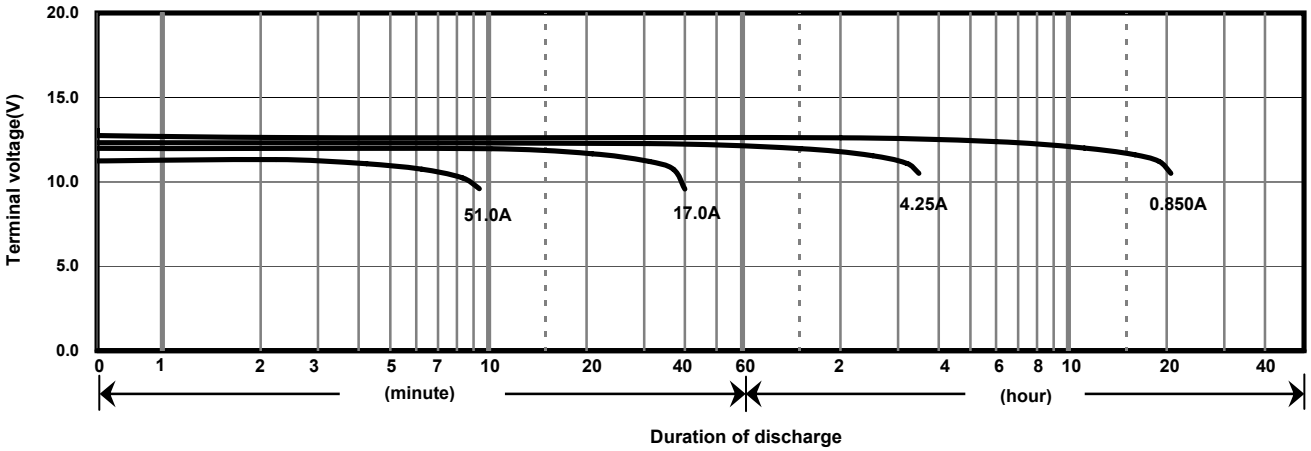
■Constant-voltage constant-current charge characteristics for Cycle use



■Discharge capacity by temperature and by discharge current



■Discharge characteristics(25℃)



⚠ Caution

Due to the potential energy stored in the batteries, Please read《Precautions for handling the Rechargeable Valve Regulated Lead Acid Batteries》 before using batteries. If improper handling or use of the batteries without understanding《Precautions for handling the Rechargeable Valve Regulated Lead Acid Batteries》 may result in bodily injury caused by electrolyte leakage, heat generation, or explosion.

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