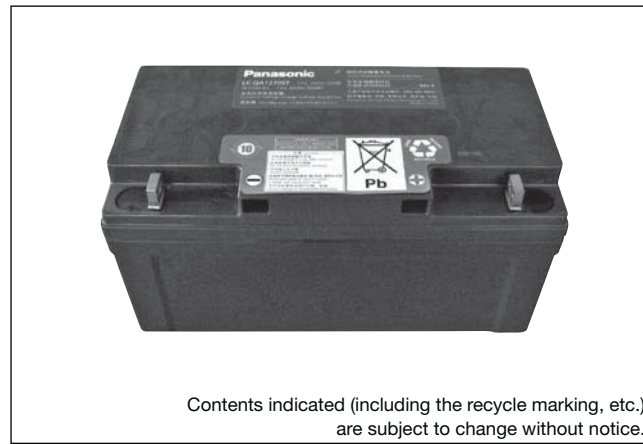
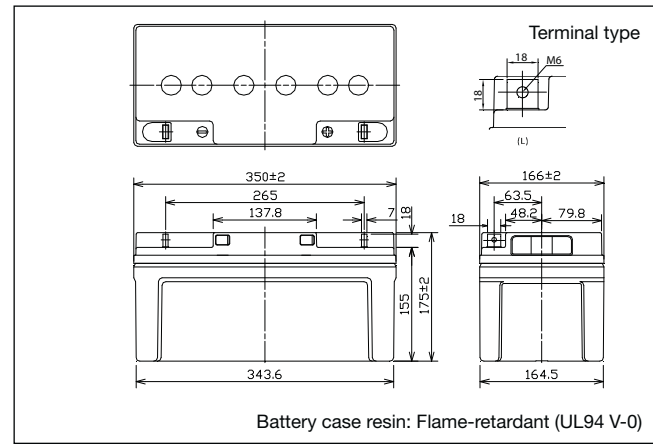


LC-QA1270P



For standby power supplies.
Expected trickle design life: 15 years at 20°C according to Eurobat.

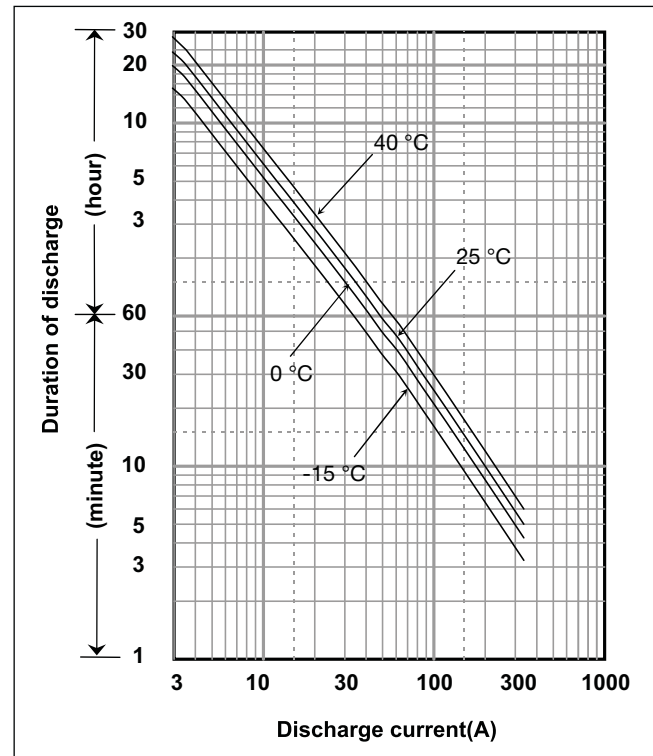
Dimensions (mm)



Specifications

Nominal voltage	12V	
Nominal capacity (20 hour rate)	70Ah	
Dimensions	Length	350mm
	Width	166mm
	Height	175mm
	Total Height	175mm
Approx. mass	23.5kg	
Terminal	M6 Bolt and Nut type	

Duration of discharge vs Discharge current



Characteristics

Capacity (25°C)	20 hour rate 10 hour rate 5 hour rate 1 hour rate	70Ah 65Ah 60Ah 45Ah
Internal resistance	Fully charged battery (25°C)	5mΩ
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

Cut-off V	(Wattage/Battery)														
	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	1977	1504	1234	916	676	549	386	333	240	181	148	130	75.5	41.7	34.7
9.9V	1947	1491	1227	909	660	520	367	323	234	177	146	127	74.0	41.5	34.7
10.2V	1867	1463	1197	899	655	519	365	311	224	168	138	122	73.1	41.2	34.3
10.5V	1814	1436	1173	884	641	509	358	306	221	166	135	119	73.0	39.8	33.8
10.8V	1704	1357	1153	865	626	499	351	299	219	165	135	119	73.0	39.4	33.6

Ampere Table

Cut-off V	(Ampere/Battery)														
	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h	24h
9.6V	200	146	118	85.9	62.8	48.4	34.8	27.1	19.4	15.0	12.5	10.4	6.50	3.53	2.94
9.9V	199	144	118	85.0	61.2	47.7	33.9	27.0	19.1	14.8	12.1	10.4	6.50	3.53	2.94
10.2V	197	146	116	83.8	60.9	47.3	33.7	26.8	18.9	14.8	12.1	10.3	6.50	3.53	2.94
10.5V	187	136	110	82.7	59.5	45.6	33.3	26.7	18.9	14.7	12.1	10.3	6.50	3.53	2.94
10.8V	177	132	108	81.4	51.1	41.0	29.4	24.9	17.8	14.4	12.0	10.1	6.50	3.47	2.94

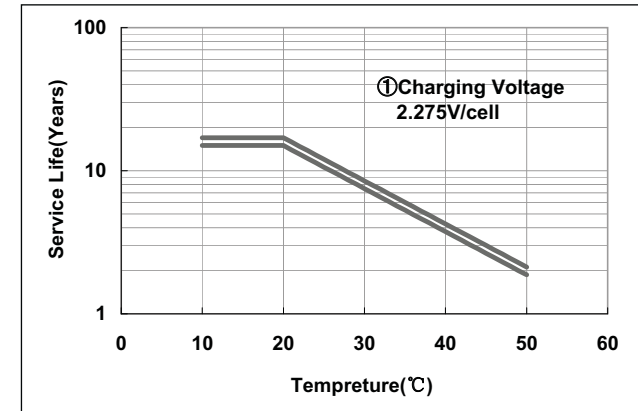
Charging Method

Trickle Use	Control voltage: 13.6 - 13.8V; Initial current: 10.5A or smaller
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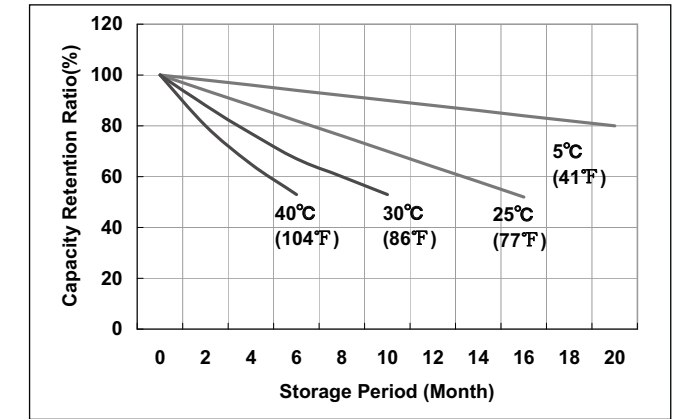
Cut off voltage

Discharge current	3.5A - 14A	14A - 35A	35A - 70A	70A - 140A	140A - 210A
Cut off voltage (V)	10.5	10.2	9.9	9.3	8.7

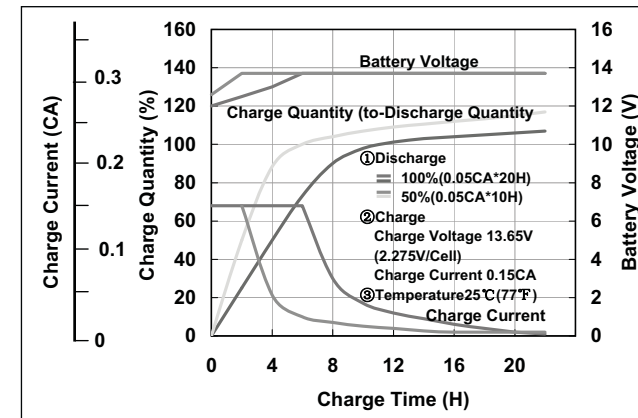
Influence of Temperature on Trickle life



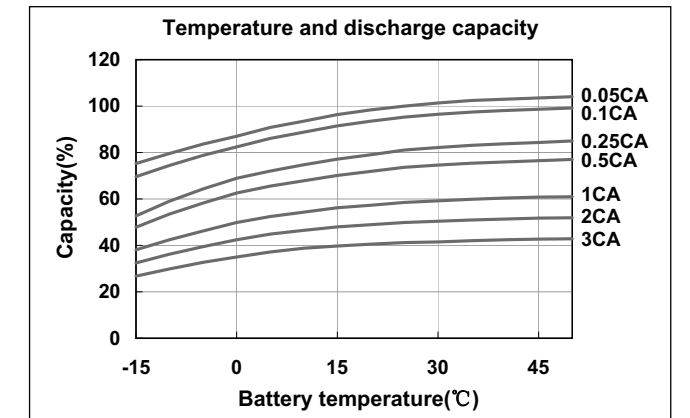
Residual capacity test result



Constant-voltage and constant-current charge characteristics



Discharge capacity by temperature and by discharge current



Discharge characteristics

