

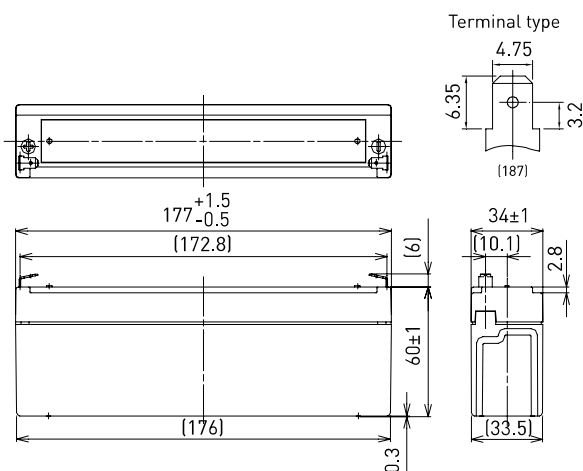
LC-R122R2P*¹

FOR MAIN AND STANDBY POWER SUPPLIES.
EXPECTED TRICKLE DESIGN LIFE: 6 – 9 YEARS AT 20°C
ACCORDING TO EUROBAT.

VdS

G188151

DIMENSIONS (MM)



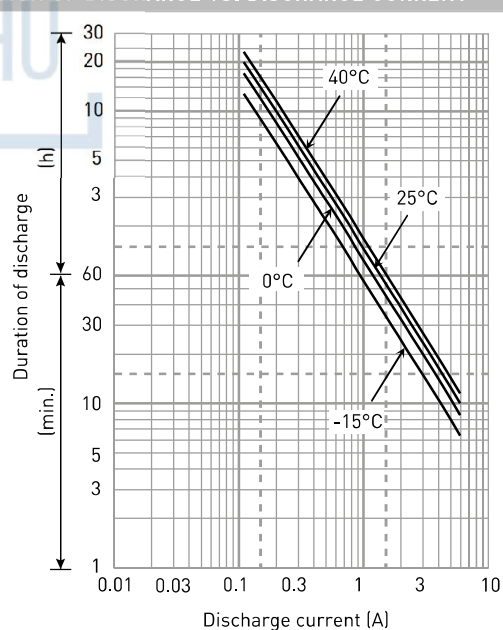
Contents indicated (including the recycle marking, etc.)
are subject to change without notice.

Battery case resin: standard (UL94 HB)

SPECIFICATIONS

Name		LC-R122R2PG* ¹
Nominal voltage		12V
Nominal capacity (20 hour rate)		2.2Ah
Dimensions	Length	177mm
	Width	34mm
	Height	60mm
Approx. mass		0.80kg
Terminal		Faston 187
Capacity (25°C)	20 hour rate	2.2Ah
	10 hour rate	2.0Ah
	3 hour rate	1.8Ah
	1 hour rate	1.5Ah
Impedance	Fully charged battery (25°C)	70mΩ
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 month	91%
	After 6 month	82%
	After 12 month	64%

DURATION OF DISCHARGE VS. DISCHARGE CURRENT



WATT TABLE (25°C)

(Wattage/battery)

Cut-off	3min.	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	132	104	68.1	52.0	43.6	32.5	23.0	18.4	12.6	9.77	7.27	5.59	4.61	3.71	2.46	1.33
9.9V	123	97.8	66.7	51.7	42.9	32.2	22.8	18.2	12.4	9.70	7.24	5.55	4.58	3.69	2.45	1.33
10.2V	113	91.6	65.0	50.6	42.2	31.8	22.6	18.0	12.1	9.44	7.16	5.51	4.54	3.66	2.42	1.32
10.5V	101	82.1	60.2	47.1	40.1	31.1	22.2	17.6	11.9	9.12	7.05	5.48	4.50	3.62	2.41	1.32
10.8V	84.9	72.6	53.7	43.9	39.0	30.0	21.9	17.3	11.5	8.68	6.91	5.40	4.39	3.56	2.38	1.31

AMPERE TABLE (25°C)

(Ampere/battery)

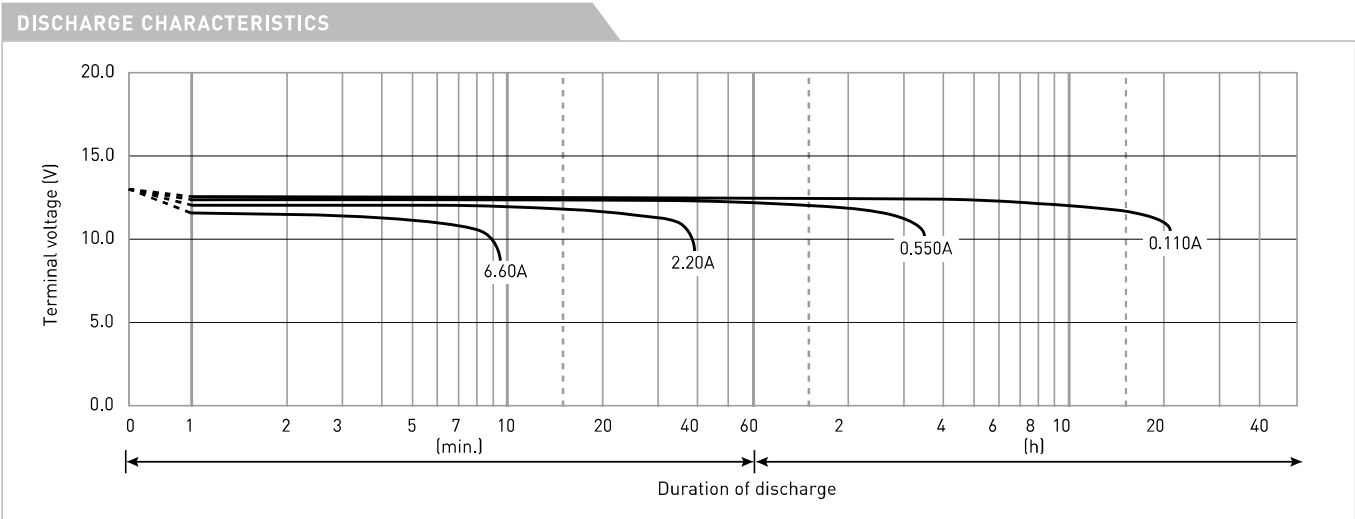
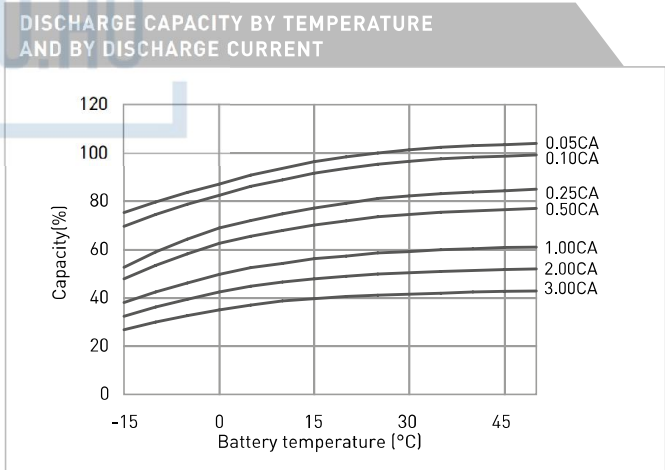
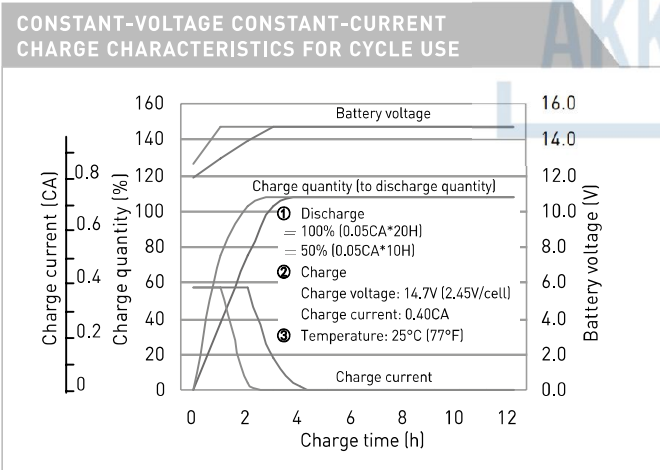
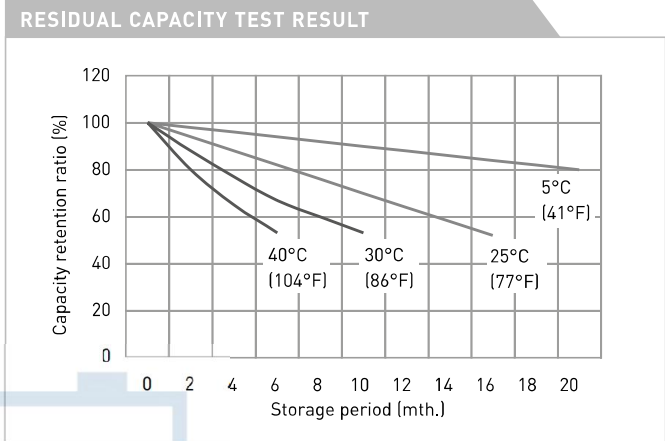
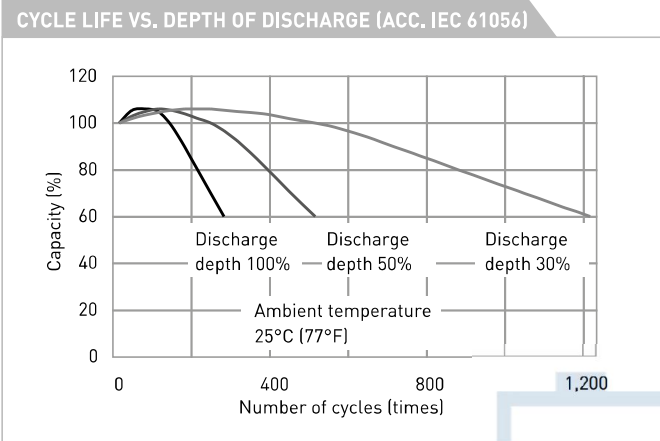
Cut-off	3min.	5min.	10min.	15min.	20min.	30min.	45min.	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	11.9	9.35	6.08	4.52	3.76	2.78	1.96	1.56	1.07	0.825	0.611	0.468	0.385	0.309	0.205	0.111
9.9V	11.0	8.77	5.96	4.49	3.70	2.75	1.94	1.55	1.05	0.819	0.608	0.464	0.382	0.308	0.204	0.111
10.2V	10.2	8.22	5.81	4.40	3.64	2.72	1.93	1.53	1.03	0.798	0.602	0.461	0.379	0.306	0.202	0.110
10.5V	9.04	7.36	5.38	4.09	3.45	2.66	1.89	1.50	1.01	0.770	0.593	0.458	0.376	0.302	0.201	0.110
10.8V	7.64	6.51	4.80	3.82	3.36	2.57	1.86	1.47	0.978	0.733	0.581	0.452	0.367	0.297	0.199	0.109

All mentioned values are average values

LC-R122R2P*1

CHARGING METHOD (25°C)	
Cycle use	Control voltage: 14,5V - 14,9V Initial current: 0,88A or smaller

CUT-OFF VOLTAGE					
Discharge current	0.110A - 0.440A	0.440A - 1.10A	1.10A - 2.20A	2.00A - 4.40A	4.40A - 6.60A
Cut-off voltage	10.5V	10.2V	9.9V	9.3V	8.7V



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-V122R2PG.