

Specifications

Nominal Voltage (V)		12	
Nominal Capacity (AH)		100	
Dimensions	Length	330 mm	12.99 inch
	Width	173 mm	6.81 inch
	Height	219 mm	8.62 inch
	Total Height	240 mm	9.45 inch
Approx. Weight		30.8 kgs	67.9 lbs
Standard Terminals		L14	
Case Material		ABS UL 94-HB	

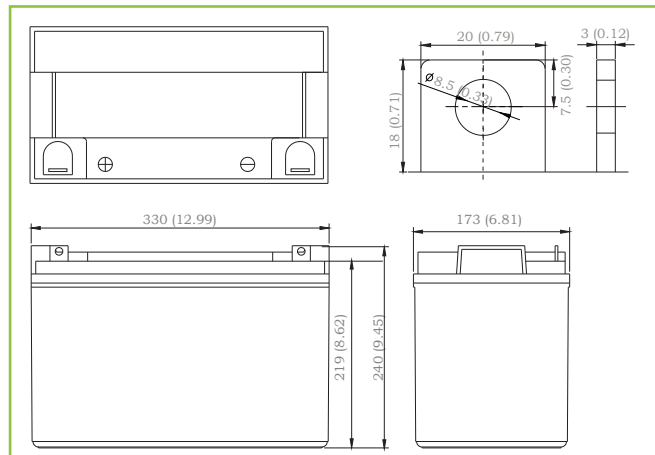
Characteristics

Capacity	20 hour rate	5.00 A	100.00 Ah
	10 hour rate	9.60 A	96.00 Ah
	5 hour rate	16.50 A	82.50 Ah
	1 hour rate	61.8 A	61.80 Ah
	15 Min Rate	175.0 A	43.75 Ah
Internal Resistance		4.5 mΩ	
Max. Discharge Current (5 sec)		800 A	
Constant Voltage Charge Method	Max. Charge Current	30 A	
	Standby Use	2.25 - 2.30 V /Cell	
	Cycle Use	2.40 - 2.50 V /Cell	
Operating Temperature Range	Discharge:	-15 ~ 50 °C (5 ~ 122 °F)	
	Charge:	-15 ~ 40 °C (5 ~ 104 °F)	
	Storage:	-15 ~ 40 °C (5 ~ 104 °F)	
Temperature coefficient	For standby use:	-3.3mV / °C /Cell	
	For cycle use:	-5.0mV / °C /Cell	
Self discharge 25°C (77°F)	After 3-month	91%	
	After 6-month	82%	
	After 12-month	64%	
Temperature dependency of Capacity	40 °C (104 °F)	102%	
	25 °C (77 °F)	100%	
	0 °C (32 °F)	85%	
	-15 °C (5 °F)	65%	

Discharge Voltage vs Discharge Current

Final Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Current (A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

Dimensions



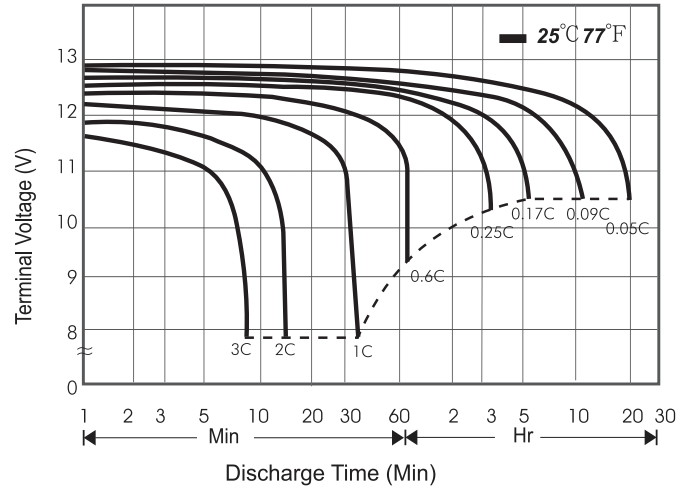
LVL 100-12

LVL 100-12 VRLA (valve-regulated lead acid) battery is designed for general purpose application with 10 years standby life at 25°C. This battery is rechargeable, highly-efficient, leak-proof and maintenance-free.

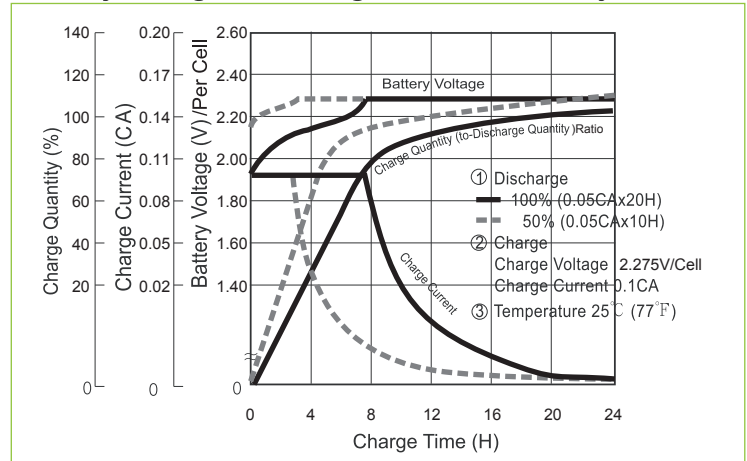
LivEn is ISO9001 and UL certified for quality assurance.



Terminal Voltage (V) and Discharge Time



Battery Voltage and Charge Time for Standby Use



Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

VpcEnd	5MIN	10MIN	15MIN	20MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	10HR	20HR
1.60	318	242	183	150	114	62.0	37.6	27.1	21.8	17.1	12.4	10.4	5.50
1.65	301	236	180	148	112	61.0	37.4	26.7	21.6	16.9	12.3	10.3	5.40
1.70	284	230	176	145	110	60.0	37.1	26.3	21.3	16.6	12.2	10.2	5.30
1.75	266	224	171	141	108	59.0	36.8	26.3	21.3	16.6	12.1	10.1	5.20
1.80	259	205	164	136	105	58.0	34.5	25.3	20.8	16.3	11.9	10.0	5.00
1.85	209	160	135	118	98.0	56.0	33.3	23.9	19.7	16.2	11.4	9.80	4.85
1.90	169	125	111	103	91.5	54.1	32.1	22.6	18.7	16.1	10.9	9.60	4.70

Constant Power Discharge Characteristics Unit:W (25°C, 77°F)

VpcEnd	5MIN	10MIN	15MIN	20MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	10HR	20HR
1.60	3550	2711	2105	1739	1329	726	445	324	261	205	144	117	65.0
1.65	3359	2645	2063	1708	1308	715	442	319	258	202	143	116	64.0
1.70	3168	2579	2021	1676	1287	703	439	313	255	199	142	115	63.0
1.75	2963	2505	1968	1637	1263	697	437	313	255	199	141	114	62.0
1.80	2889	2300	1884	1579	1232	672	408	300	248	196	138	113	60.0
1.85	2025	1575	1446	1267	1052	650	384	275	228	188	133	110	57.5
1.90	1419	1079	1110	1017	898	629	361	252	210	180	128	107	55.1