

Specifications

Nominal Voltage (V)		12	
Nominal Capacity (AH)		75	
Dimensions	Length	260 mm	10.24 inch
	Width	167 mm	6.57 inch
	Height	213 mm	8.39 inch
	Total Height	216 mm	8.50 inch
Approx. Weight		23.5 kgs	51.81 lbs
Standard Terminals Case Material		V3 ABS UL 94-HB	

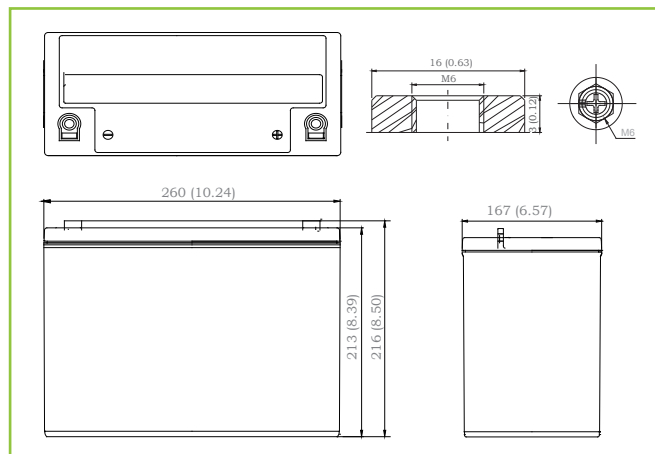
Characteristics

Capacity	20 hour rate	3.75 A	75.00 Ah
	10 hour rate	6.96 A	69.64 Ah
	5 hour rate	12.00 A	60.00 Ah
	1 hour rate	46.50 A	46.50 Ah
	15 Min Rate	132.00 A	33.00 Ah
Internal Resistance		6.50 mΩ	
Max. Discharge Current (5 sec)		600 A	
Constant Voltage Charge Method	Max. Charge Current	22.5 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 75-12

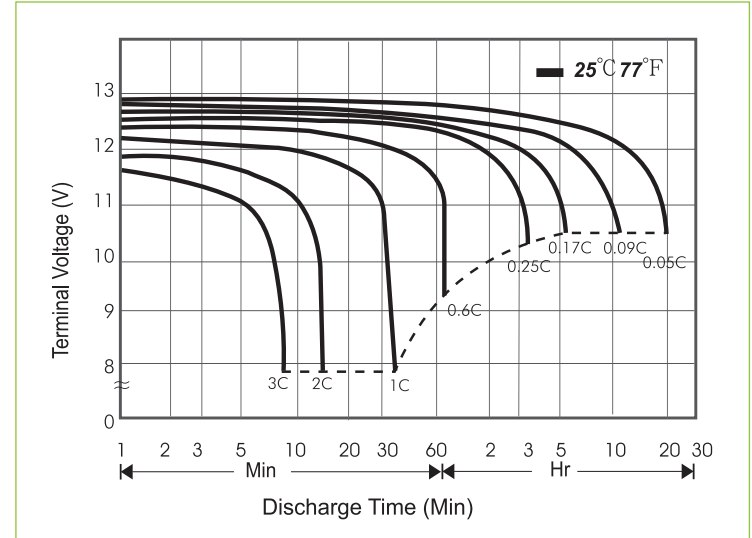


LVL 75-12 VRLA (valve-regulated lead acid) battery is designed for general purpose application with 10 years standby life at 25°C. This battery is rechargeable, highly-efficient, leak-proof and maintenance-free.

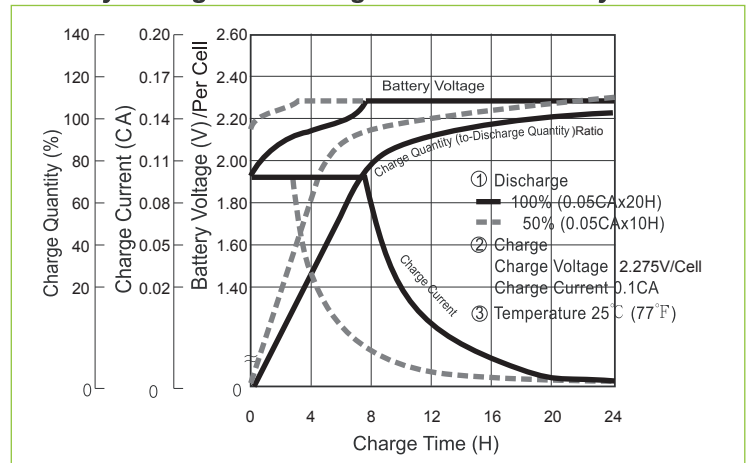
LivEn is ISO9001 and UL certified for quality assurance.



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	239	181	138	113	85.4	45.8	28.2	20.3	16.4	12.8	9.31	7.80	4.13
1.65	226	177	135	111	83.9	45.3	28.0	20.0	16.1	12.6	9.24	7.72	4.05
1.70	214	173	132	109	82.3	44.8	27.8	19.7	15.9	12.4	9.17	7.65	3.98
1.75	199	168	128	106	81.3	44.3	27.6	19.7	15.9	12.3	9.09	7.57	3.90
1.80	195	154	123	102	79.2	43.8	25.8	19.0	15.6	12.2	8.94	7.50	3.75
1.85	157	120	101	88.2	72.9	42.7	25.0	17.9	14.8	12.1	8.56	7.34	3.64
1.90	127	93.1	83.1	76.0	67.2	41.7	24.2	16.9	14.0	12.1	8.20	7.19	3.52

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	2663	2033	1579	1305	997	545	333	243	196	154	108	87.7	48.8
1.65	2519	1984	1547	1281	981	536	331	239	193	151	107	87.0	48.0
1.70	2376	1934	1516	1257	966	527	329	234	191	149	107	86.3	47.3
1.75	2222	1879	1476	1228	947	523	328	234	191	149	106	85.5	46.5
1.80	2167	1725	1414	1185	924	488	306	225	186	147	104	84.9	45.0
1.85	1519	1181	1084	950	789	504	288	206	171	141	99.9	82.7	43.1
1.90	1065	809	832	762	673	521	270	189	157	135	96.4	80.6	41.3