

Specifications

Nominal Voltage (V)		12	
Nominal Capacity (AH)		55	
Dimensions	Length	229 mm	9.02 inch
	Width	138 mm	5.43 inch
	Height	208 mm	8.19 inch
	Total Height	228 mm	8.98 inch
Approx. Weight		16.75 kgs	37.19 lbs
Standard Terminals		V5	
Case Material		ABS UL 94-HB	

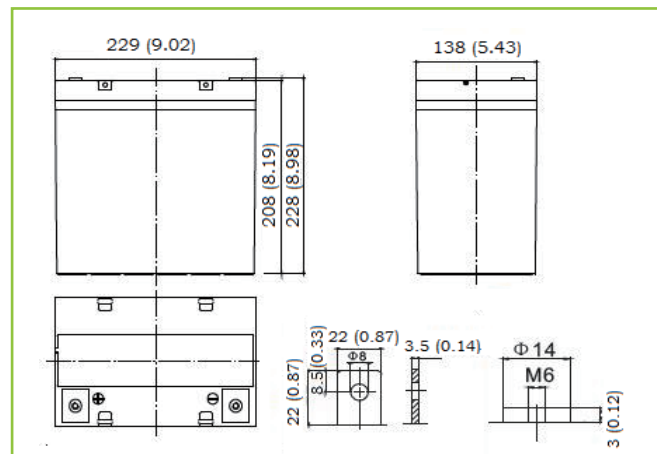
Characteristics

Capacity	20 hour rate	2.75 A	55.00 Ah
	10 hour rate	5.12 A	51.15 Ah
	5 hour rate	8.80 A	44.00 Ah
	1 hour rate	34.10 A	34.10 Ah
	15 Min Rate	96.80 A	24.20 Ah
Internal Resistance		5.5 mΩ	
Max. Discharge Current (5 sec)		550 A	
Constant Voltage Charge Method	Max. Charge Current	17 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 55-12



CE

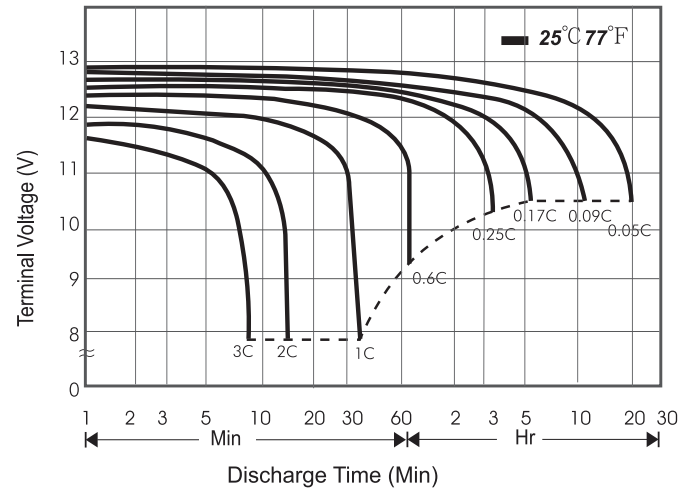


LVL 55-12 VRLA (valve-regulated lead acid) battery is designed for general purpose application with 10 years standby life at 25°C. This battery is rechargeable, highly-efficient, leak-proof and maintenance-free.

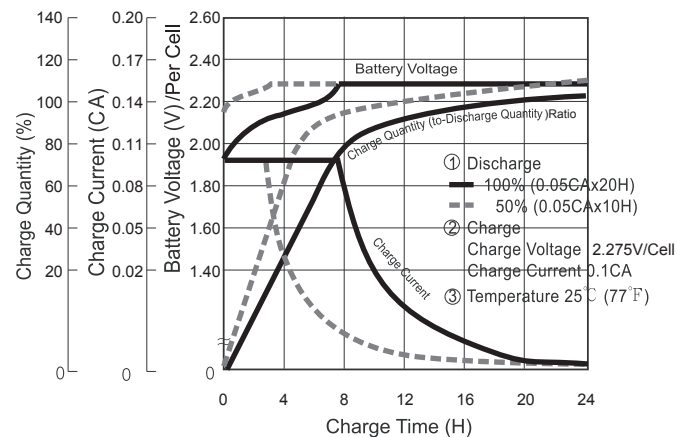
LivEn is ISO9001 and UL certified for quality assurance.



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	175	133	101	83.0	62.7	34.1	20.7	17.9	12.0	9.46	6.83	5.72	3.03
1.65	166	130	99.0	81.3	61.6	33.6	20.6	16.2	11.9	9.30	6.78	5.67	2.97
1.70	156	127	96.8	79.6	60.5	33.0	20.5	14.5	11.8	9.13	6.72	5.61	2.92
1.75	146	123	94.6	78.0	59.4	33.0	20.2	14.5	11.8	9.13	6.67	5.56	2.86
1.80	143	113	90.2	75.3	58.3	31.9	18.9	13.9	11.4	9.02	6.56	5.50	2.75
1.85	116	88.0	73.7	64.7	53.9	30.8	18.4	13.2	10.9	8.91	6.28	5.39	2.66
1.90	93.3	68.3	60.2	55.7	49.8	29.7	17.8	12.6	10.4	8.80	6.02	5.28	2.58

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	1953	1491	1158	957	730	399	244	178	144	113	79.3	64.4	35.8
1.65	1847	1454	1135	939	719	393	243	175	142	111	78.8	63.8	35.2
1.70	1742	1418	1112	922	707	386	242	173	140	109	78.3	63.3	34.7
1.75	1630	1378	1082	901	695	384	240	173	140	109	77.7	62.7	34.1
1.80	1590	1265	1036	869	678	358	224	165	136	108	75.9	62.3	33.0
1.85	1113	867	795	697	579	370	211	152	125	103	73.3	60.6	31.7
1.90	780	594	610	559	494	382	199	140	115	99.2	70.7	59.0	30.4