

Specifications

Nominal Voltage (V)	12		
Nominal Capacity (AH)	65		
Dimensions	Length	350 mm	13.98 inch
	Width	167 mm	6.57 inch
	Height	174 mm	6.85 inch
	Total Height	175 mm	6.89 inch
Approx. Weight	21.1 kgs	46.52 lbs	
Standard Terminals Case Material	V3 ABS UL 94-HB		

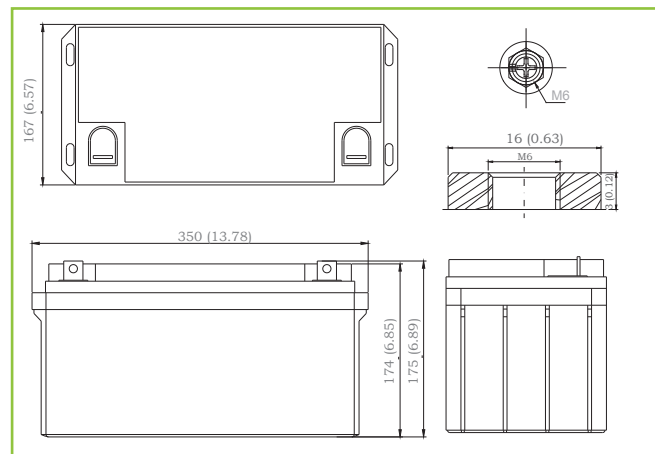
Characteristics

Capacity	20 hour rate	3.25 A	65.00 Ah
	10 hour rate	6.05 A	60.50 Ah
	5 hour rate	10.40 A	52.00 Ah
	1 hour rate	40.3 A	40.30 Ah
	15 Min Rate	114.4 A	28.60 Ah
Internal Resistance		8 mΩ	
Max. Discharge Current (5 sec)		550 A	
Constant Voltage Charge Method	Max. Charge Current	19.5 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



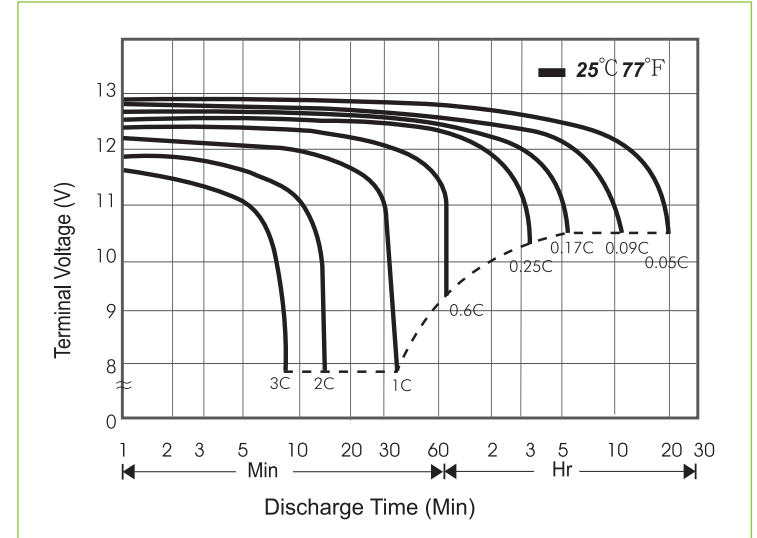
LVL 65-12

LVL 65-12 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.

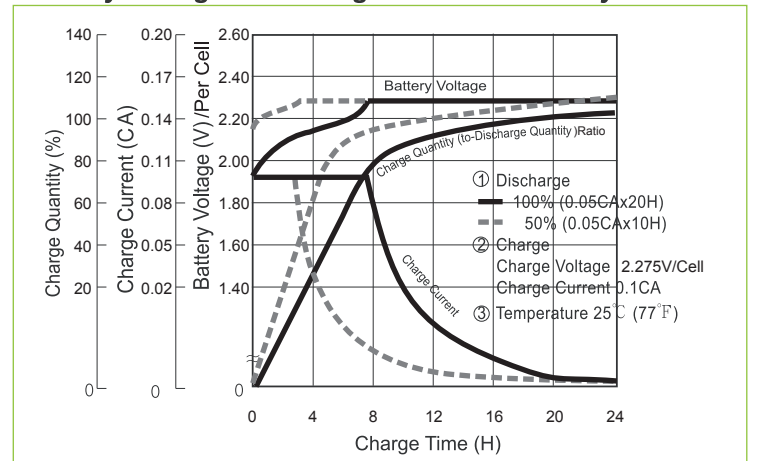
LivEn is ISO9001 and UL certified for quality assurance.



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	207	157	119	97.7	74.0	40.0	24.5	17.6	14.2	11.1	8.07	6.76	3.58
1.65	196	154	117	96.0	73.0	39.5	24.3	17.4	14.1	11.0	8.01	6.70	3.52
1.70	185	150	114	94.2	72.0	39.0	24.1	17.1	13.9	10.8	7.94	6.63	3.45
1.75	173	145	111	91.7	70.0	38.0	23.9	17.1	13.9	10.8	7.88	6.57	3.38
1.80	168	133	107	88.6	68.0	38.0	22.4	16.4	13.5	10.6	7.75	6.50	3.25
1.85	136	104	88.0	77.1	64.0	37.0	21.6	15.5	12.8	10.5	7.42	6.37	3.15
1.90	110	81.3	72.4	67.1	60.2	36.0	20.8	14.6	12.1	10.4	7.10	6.24	3.05

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	2308	1762	1368	1130	864	472	289	210	170	133	93.7	76.1	42.3
1.65	2184	1719	1341	1110	850	465	288	207	168	131	93.1	75.5	41.7
1.70	2059	1676	1314	1089	836	457	286	204	166	129	92.5	74.8	41.0
1.75	1926	1628	1279	1064	821	453	284	204	166	129	91.7	74.1	40.3
1.80	1878	1495	1225	1027	801	437	265	195	161	127	89.8	73.6	39.0
1.85	1316	1024	940	824	684	423	249	179	148	122	86.6	71.6	37.4
1.90	922	701	721	661	584	409	234	164	136	117	83.5	69.7	35.9