

Specifications

Nominal Voltage (V)	2		
Nominal Capacity (AH)	200		
Dimensions	Length	98.5 mm	3.88 inch
	Width	174 mm	6.85 inch
	Height	348.5 mm	13.72 inch
	Total Height	357.5 mm	14.07 inch
Approx. Weight	13.5 kgs	29.76 lbs	
Standard Terminals	V10		
Case Material	ABS UL 94-V0		

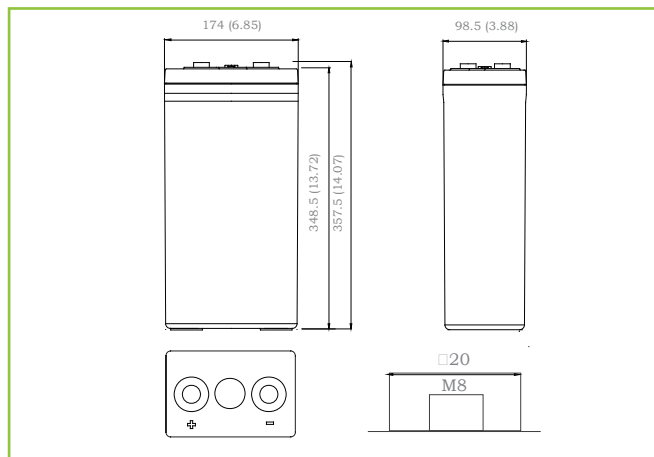
Characteristics

Capacity	24 hour rate	8.59 A	206 Ah
	10 hour rate	20.0 A	200 Ah
	3 hour rate	50.0 A	150 Ah
	1 hour rate	125.0 A	125 Ah
	15 Min Rate	382.0 A	95.5 Ah
Internal Resistance		0.5 mΩ	
Max. Discharge Current (5 sec)		1000 A	
Constant Voltage Charge Method	Max. Charge Current	30 A	
	Standby Use	2.23 V /Cell	
	Cycle Use	2.25 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 Discharge Voltage (V/Cell)	Discharge Current (A)
1.90	0.05C > (A)
1.80	0.15C > (A) ≅ 0.05C
1.75	0.20C > (A) ≅ 0.15C
1.70	0.40 C > (A) ≅ 0.20C
1.60	(A) > 0.40C

Dimensions



LVT 200-2

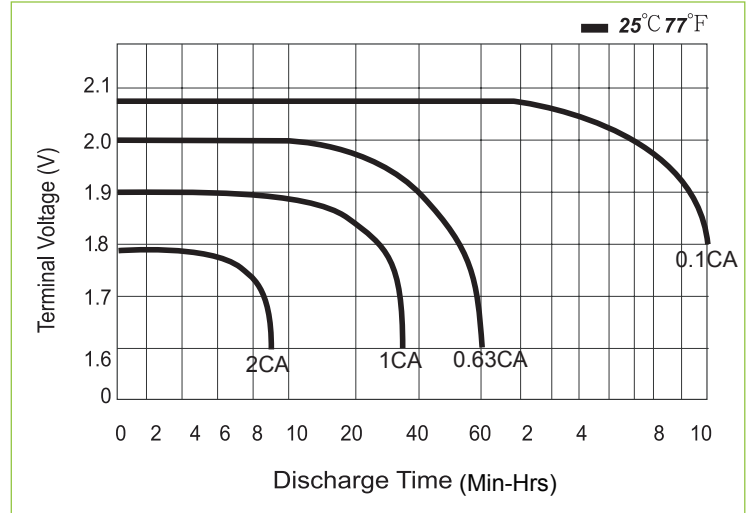


LVT200-2 VRLA (valve-regulated lead acid) battery is designed for telecom application with 20 years standby life at 25°C. This battery is rechargeable, highly-efficient, leak-proof and maintenance-free.

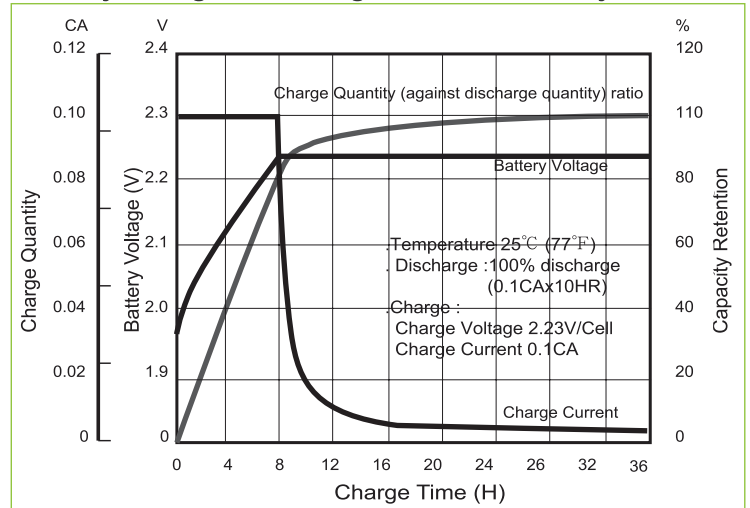
LivEn is ISO9001 and UL certified for quality assurance.



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	15MIN	20MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	24HR
1.60	420	268	231	183	116	72.2	53.3	42.5	35.7	31.0	24.7	20.6	8.82
1.65	382	248	215	173	114	71.0	52.5	41.9	35.2	30.7	24.4	20.4	8.76
1.70	349	230	201	163	111	69.7	51.8	41.4	34.9	30.4	24.2	20.3	8.71
1.75	305	216	191	158	110	68.5	50.9	40.9	34.4	30.0	24.0	20.1	8.65
1.80	268	204	182	152	105	66.9	50.0	40.2	34.0	29.7	23.7	20.0	8.59

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

VpcEnd	5MIN	15MIN	20MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	24HR
1.60	612	444	393	341	204	131	97.4	77.8	66.0	58.0	47.5	39.6	17.7
1.65	562	406	362	317	197	127	94.8	76.0	64.8	56.8	46.9	38.9	17.5
1.70	496	378	339	297	191	123	92.8	64.6	63.9	56.1	46.3	38.6	17.2
1.75	445	352	315	276	182	120	90.9	73.3	62.8	55.4	45.7	38.1	17.0
1.80	409	323	290	257	174	117	89.1	71.9	61.7	54.5	45.1	37.7	16.7