

## Specifications

Nominal Voltage (V)		2	
Nominal Capacity (AH)		800	
Dimensions	Length	410 mm	16.14 inch
	Width	177 mm	6.97 inch
	Height	330 mm	12.99 inch
	Total Height	365 mm	14.37 inch
Approx. Weight		57.3 kgs	118.96 lbs
Standard Terminals Case Material		V10 ABS UL 94-V0	

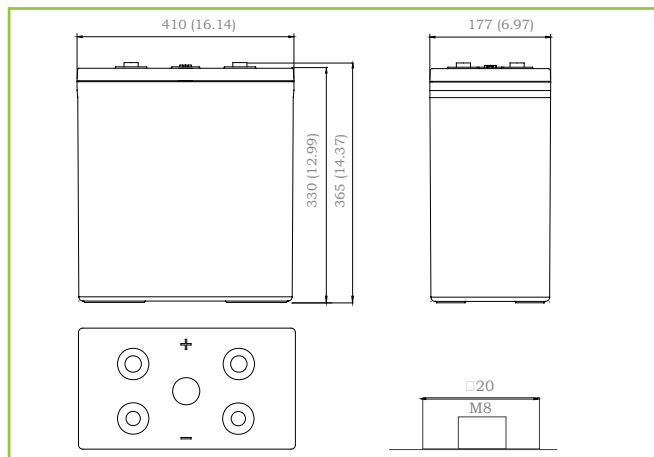
## Characteristics

Capacity	20 hour rate	42.4 A	848 Ah
	10 hour rate	80.0 A	800 Ah
	5 hour rate	148.8 A	744 Ah
	1 hour rate	500.0 A	500 Ah
	15 Min Rate	1056.0 A	264 Ah
Internal Resistance		0.78 mΩ	
Max. Discharge Current ( 5 sec )		4800 A	
Constant Voltage Charge Method	Max. Charge Current	240 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 800-2

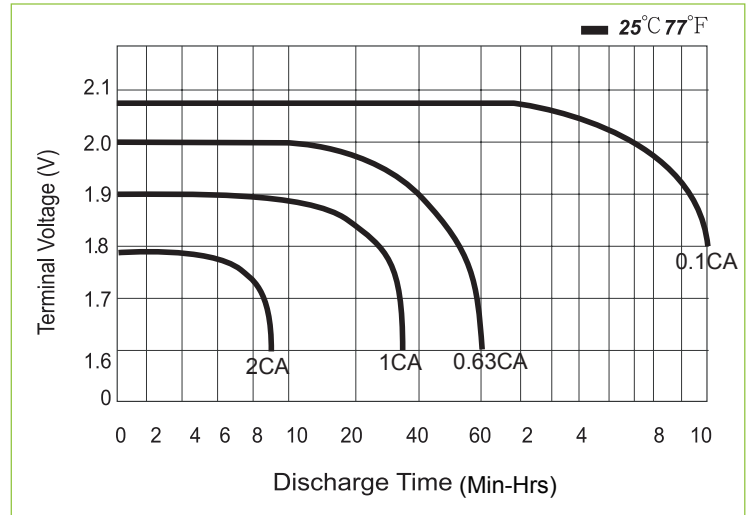


LVT800-2 VRLA (valve-regulated lead acid) battery is designed for telecom application with 20 years standby life at 25°C. This battery is rechargeable, highly-efficient, leak-proof and maintenance-free.

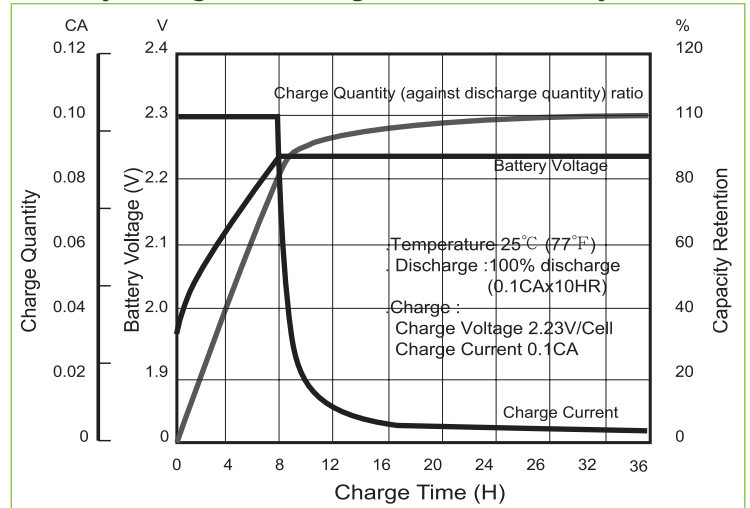
LivEn is ISO9001 and UL certified for quality assurance.



## 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	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	12HR	20HR	24HR
1.60	1141	784	520	306	230	182	154	134	106	90.1	74.1	46.2	39.0
1.67	1040	749	496	296	218	176	148	128	104	88.0	73.6	46.0	38.9
1.70	965	728	488	290	216	174	146	126	102	86.1	72.5	45.5	38.6
1.75	840	672	448	274	202	164	138	120	98.1	82.1	71.2	44.9	38.1
1.80	733	589	424	264	194	158	134	118	96.0	80.0	69.6	43.9	37.3
1.83	637	520	390	248	186	150	128	112	91.2	78.1	68.5	43.2	36.6

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

VpcEnd	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	12HR	20HR	24HR
1.60	1864	1376	925	557	413	334	282	248	200	168	150	97.9	84.0
1.67	1709	1320	920	552	413	330	280	246	198	166	147	96.4	82.9
1.70	1629	1277	893	541	405	328	278	242	194	164	142	92.8	79.7
1.75	1472	1192	832	517	386	314	266	232	190	160	140	91.3	78.4
1.80	1344	1069	784	496	370	302	258	226	184	158	136	89.8	77.3
1.83	1144	925	725	464	354	288	246	216	176	152	134	88.0	75.7