

Specifications

Nominal Voltage (V)		2	
Nominal Capacity (AH)		1000	
Dimensions	Length	474 mm	18.66 inch
	Width	173 mm	6.81 inch
	Height	329 mm	12.95 inch
	Total Height	366 mm	14.41 inch
Approx. Weight		65 kgs	140.99 lbs
Standard Terminals Case Material		V10 ABS UL 94-V0	

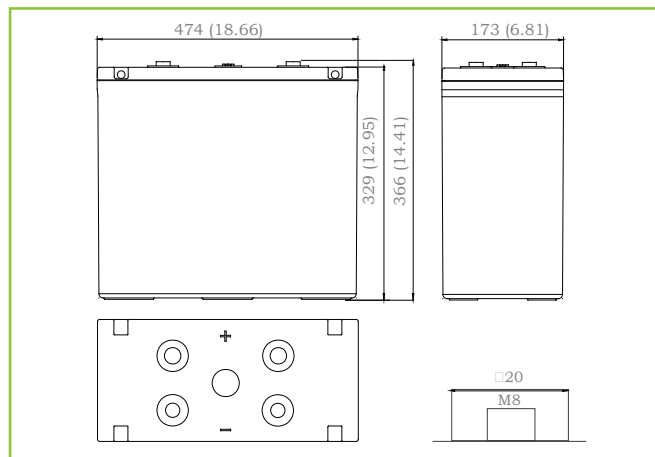
Characteristics

Capacity	20 hour rate	53.0 A	1060 Ah
	10 hour rate	100.0 A	1000 Ah
	5 hour rate	186.0 A	930 Ah
	1 hour rate	625.0 A	625 Ah
	15 Min Rate	1320.0 A	330 Ah
Internal Resistance		0.74 mΩ	
Max. Discharge Current (5 sec)		6000 A	
Constant Voltage Charge Method	Max. Charge Current	300 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 1000-2

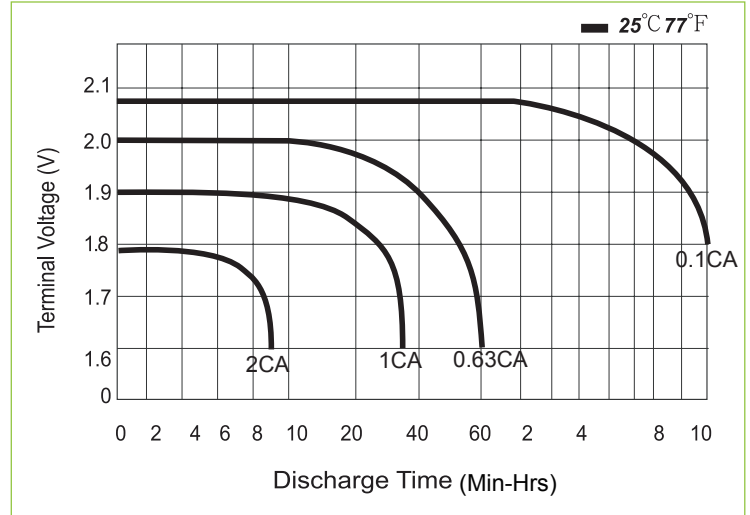


LVT1000-2 VRLA (valve-regulated lead acid) battery is designed for telecom application with 20 years standby life at 25°C. This battery is rechargeable, highly-efficient, leak-proof and maintenance-free.

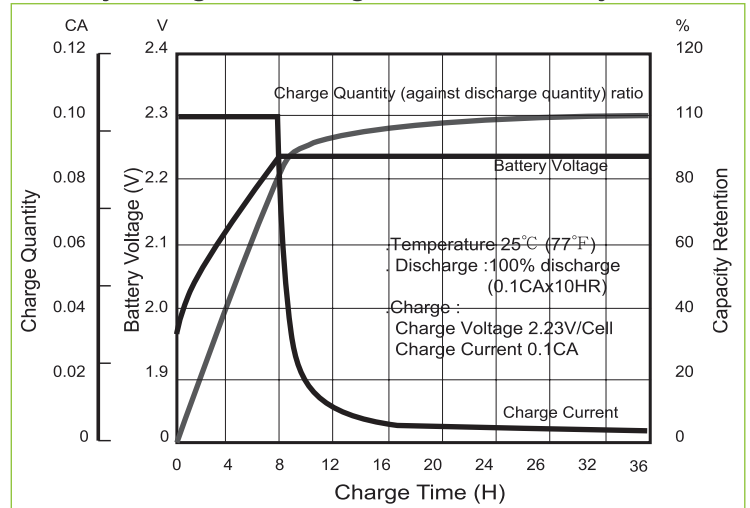
LivEn is ISO9001 and UL certified for quality assurance.



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	1426	980	650	382	288	228	193	168	133	113	92.6	57.8	48.8
1.67	1300	936	620	370	272	220	185	160	130	110	92.0	57.5	48.6
1.70	1206	910	610	362	270	218	183	158	128	108	90.6	56.9	48.2
1.75	1050	840	560	342	252	206	173	150	123	103	89.0	56.1	47.6
1.80	916	736	530	330	242	198	168	148	120	100	87.0	54.9	46.6
1.83	796	650	488	310	232	188	160	140	114	97.6	85.6	54.0	45.8

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	2330	1720	1156	696	520	418	353	310	250	210	188	122	105
1.67	2136	1650	1150	690	516	413	350	308	248	208	184	120	104
1.70	2036	1596	1116	676	506	410	348	303	243	205	178	116	99.6
1.75	1840	1490	1040	646	482	393	333	290	238	200	175	114	98.0
1.80	1680	1336	980	620	462	378	323	283	230	198	171	112	96.6
1.83	1430	1156	906	580	442	360	308	270	220	190	168	110	94.6