

## Specifications

Nominal Voltage (V)		2	
Nominal Capacity (AH)		500	
Dimensions	Length	241 mm	9.49 inch
	Width	172 mm	6.77 inch
	Height	331 mm	13.03 inch
	Total Height	366 mm	14.41 inch
Approx. Weight		31.5 kgs	69.40 lbs
Standard Terminals Case Material		V10 ABS UL 94-V0	

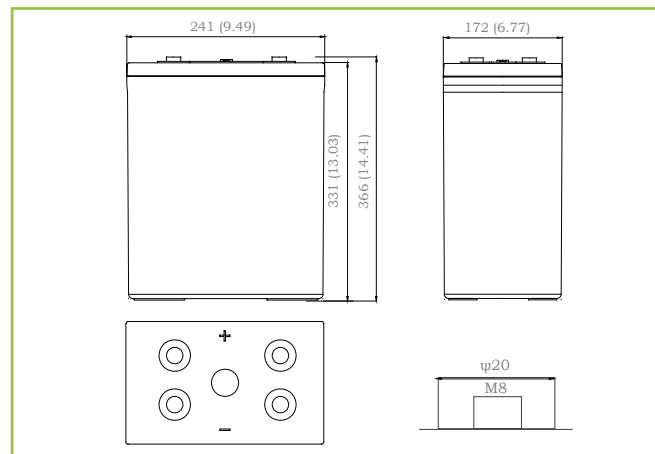
## Characteristics

Capacity	20 hour rate	26.5 A	530 Ah
	10 hour rate	50.0 A	500 Ah
	5 hour rate	93.0 A	465 Ah
	1 hour rate	312.5 A	313 Ah
	15 Min Rate	660.0 A	165 Ah
Internal Resistance		0.84 mΩ	
Max. Discharge Current ( 5 sec )		3000 A	
Constant Voltage Charge Method	Max. Charge Current	150 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 500-2

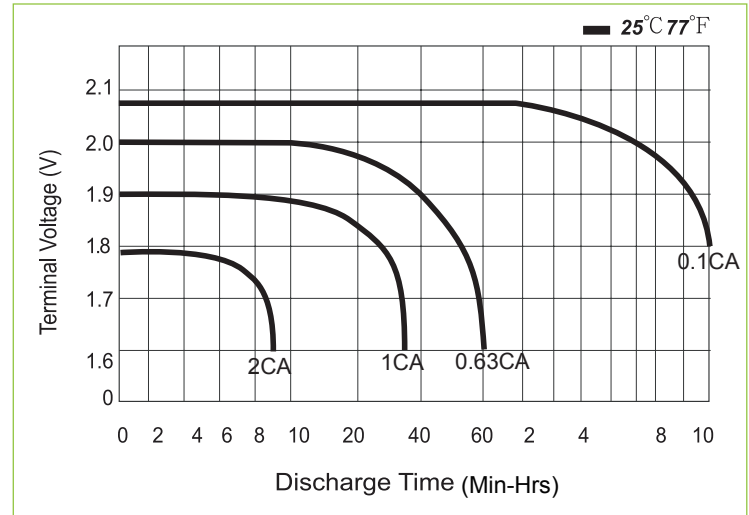


LVT500-2 VRLA (valve-regulated lead acid) battery is designed for telecom application with 20 years standby life at 25°C. This battery is rechargeable, highly-efficient, leak-proof and maintenance-free.

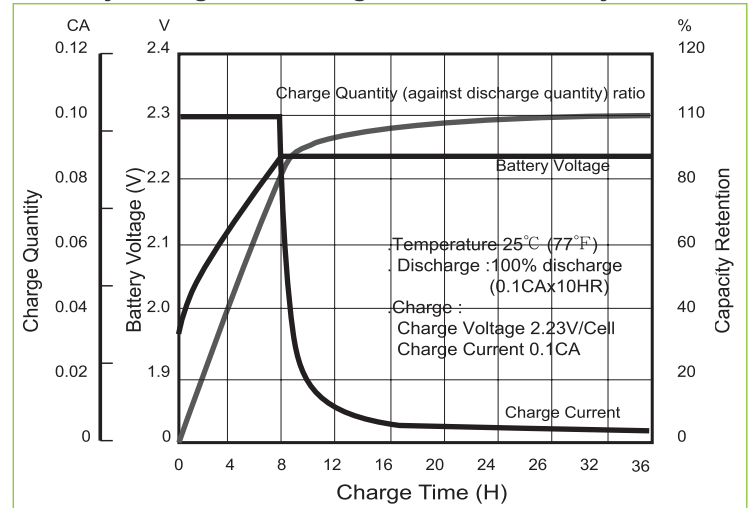
LivEn is ISO9001 and UL certified for quality assurance.



## Terminal Voltage (V) and Discharge Time



## Battery Voltage and Charge Time for Standby Use



## Cycle Service Life

