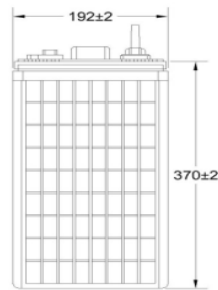
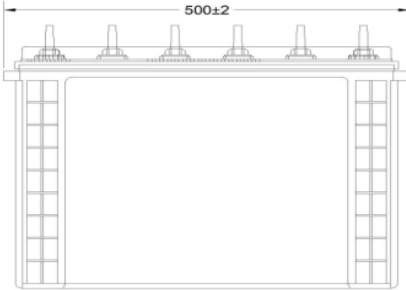
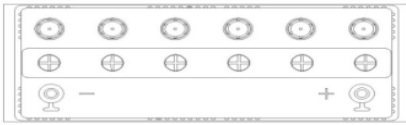


### TECHNICAL SPECIFICATION - Tall Tubular Conventional Battery



#### Product Features: -

1. Robust Tubular with High Pressure die-casted spine- resulting low rate of spine corrosion.
2. Spill Proof Vent plug – resulting in no spillage on top and low controlled acid fumes.
3. Optimized Negative paste receipt for fast charge acceptance
4. Consistent backup throughout life
5. Low Self Discharge
6. Excellent performance on deep cyclic application as compare to AGM VRLA
7. Very High Design & Service Life
8. Low water loss

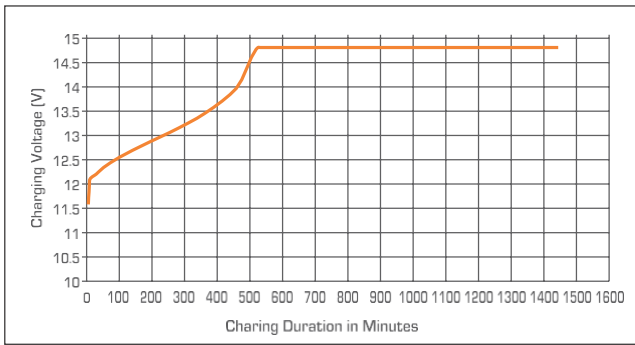
#### Technical Specifications

Model	Nominal Voltage	Rated Capacity 20 Hr @ 27°C (Ah)	Dimensions in mm			Battery Gross Weight [Kg] [±3%]	Terminal Type
			Length (± 3 mm)	Width (± 3 mm)	Height up to terminal (± 3 mm)		
ZX220TT [12 V 220 AH @ C20]	12	220	500	192	402	66.1	L

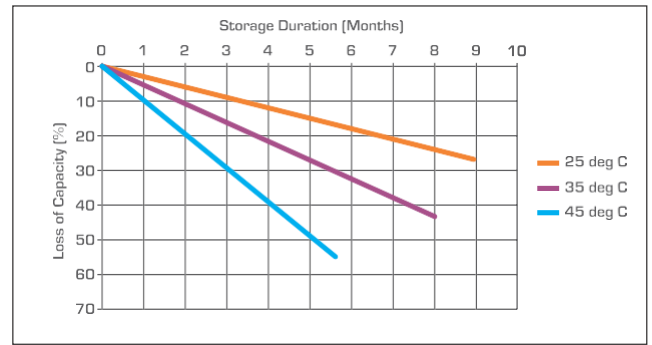
#### Electrical Parameters & Charging Profile

Battery Specified Capacity Test @ 27 °C						
	C20 @10.5V	C10 @10.5V	C7 @10.5V	C5 @10.5V	C3 @10.5V	C1 @10.5V
ZX220TT [12 V 220 AH @ C20]	220	208	177	160	138	96
Ah & Wh Efficiency						
Ah Efficiency	>90%		Wh Efficiency		>75%	

**Charging Profile**



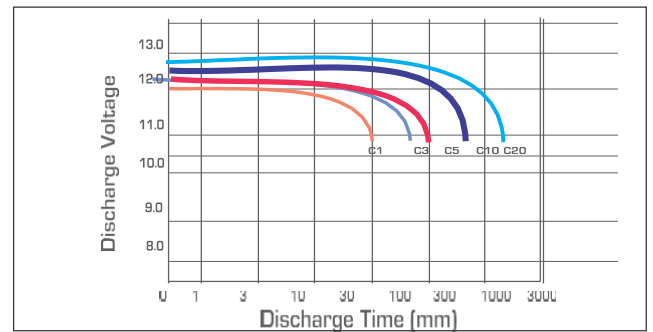
**Self Discharge Characteristics @ Different Temperature**



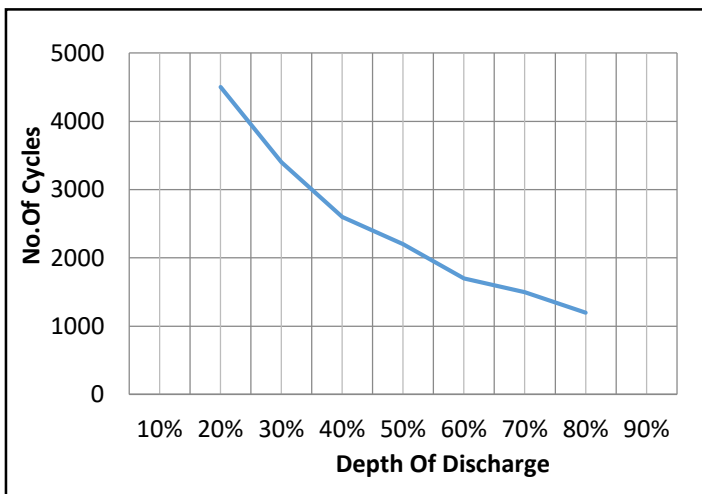
**State of Charge Measure of Open-circuit Voltage @ 27°C**

State of Charge	Specific Gravity	Voltage
100%	1.260	12.7V
75%	1.225	12.4V
50%	1.190	12.1V
25%	1.155	12.0V
0%	1.120	11.8V

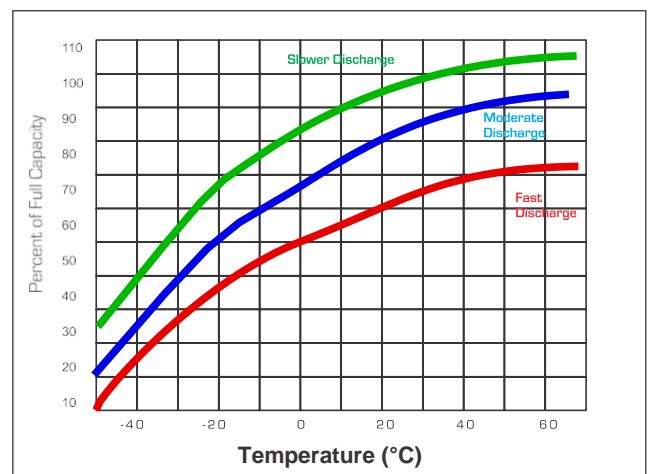
**Discharging Characteristics at various rates @ 27°C**



**DOD V/S LIFE CYCLE**



**Expected Capacity Vs Temperature**



Zunax Energy Products LLB certified by Aambitious Assessments Pvt. Ltd.





# HIGH PERFORMANCE TUBULAR BATTERY

## Charging Instructions

Charger Voltage Settings (at 77° F/ 25°C)			
System Voltage	12V	24 V	48V
Maximum Charge Current	0.2C10		
Maximum Absorption Phase Time (hours)	4		
Absorption Voltage	14.4	28.8	57.6
Float Voltage	13.6	27.2	54.4
Equalization Voltage	16	32	64
Do not install or charge batteries in a sealer or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.			
Periodic Charge	Provide a periodic freshening charge to maintain a SOC greater than the threshold of 70%		

|

### Zunax Energy Product LLP

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