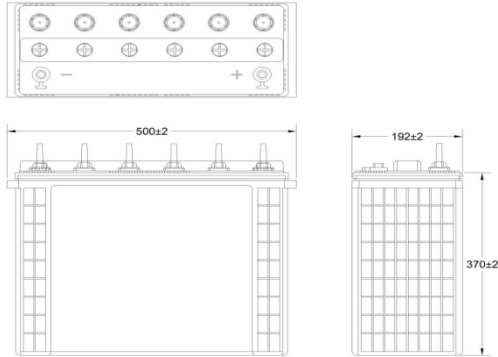


TECHNICAL SPECIFICATION - Tall Tubular Conventional Battery



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. Excellent behavior in PSO Condition as compare to AGMVRLA
6. Low Self Discharge
7. Excellent performance on deep cyclic applications compare to AGMVRLA
8. Very High Design & Service Life
9. Low water loss

Technical Specifications

Model	Nominal Voltage	Rated Capacity 10 Hr @ 27°C (Ah)	Dimensions in mm			Filled Battery Weight [Kg] [±2%]	Gross Battery Weight [Kg] [±2%]	Terminal Type
			Length (± 3 mm)	Width (± 3 mm)	Height (± 3 mm)			
[12 V 200 AH @ C10]	12	200	505	192	410	64	65.80	L

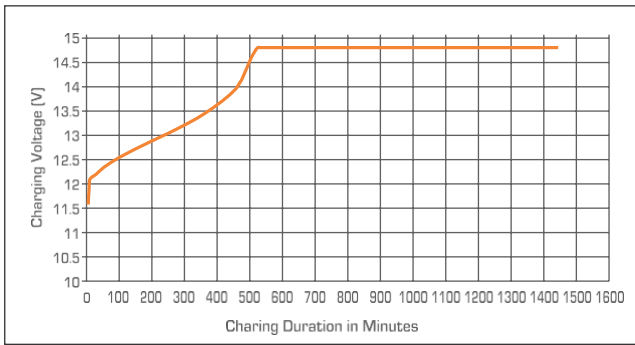
Electrical Parameters & Charging Profile

Battery Specified Capacity Test @ 27 °C						
	C10 @10.5V	C8 @10.5V	C5 @10.5V	C3 @10.5V	C2 @10.5V	C1 @10.5V
[12 V 200 AH @ C10]	200	190	166	143	126	100
Ah & Wh Efficiency						
Ah Efficiency	>90%		Wh Efficiency		>75%	

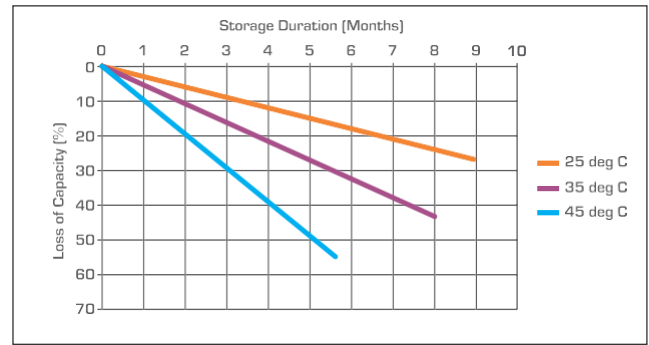


HIGH PERFORMANCE TUBULAR BATTERY

Charging Profile



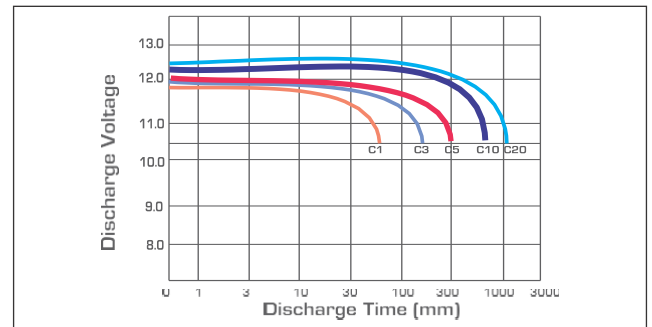
Self Discharge Characteristics @ Different Temperature



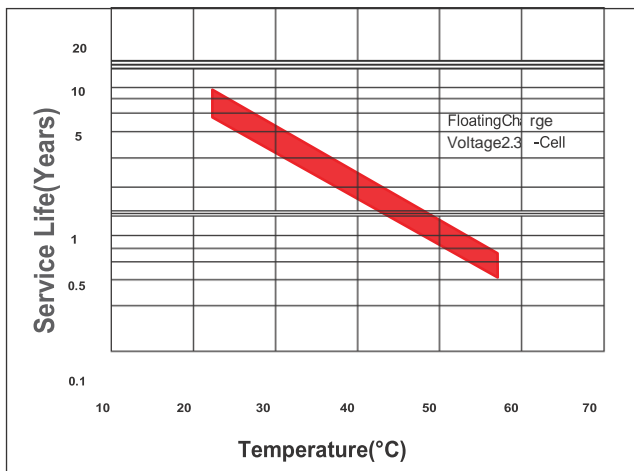
State of Charge Measure of Open-circuit Voltage @ 27°C

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

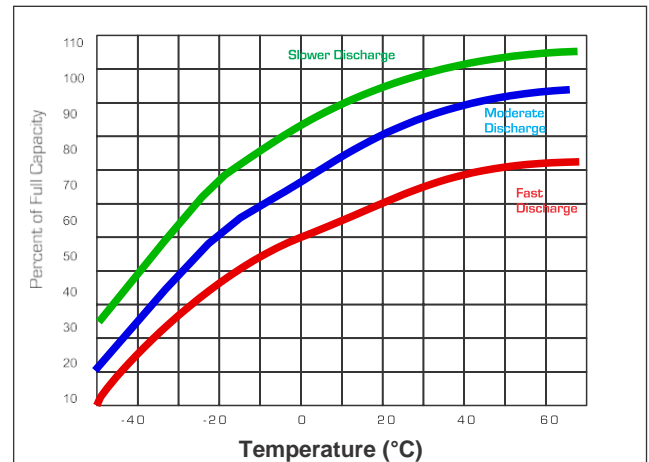
Discharging Characteristics at various rates @ 27°C



Service (Float) Life and Temperature



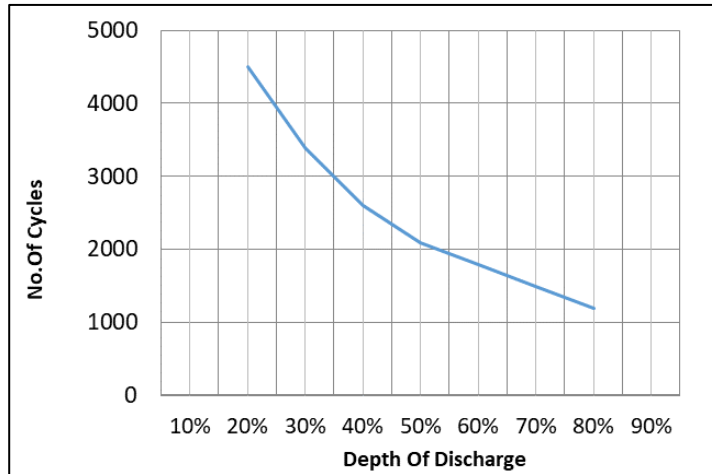
Expected Capacity Vs Temperature



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



DOD V/S LIFE CYCLE



Charging Instructions

Charger Voltage Settings (at 77° F / 25°C)			
System Voltage	12V	24V	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 over charging 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%		

Terminal Configuration: -
Terminal Type: - L
Terminal Height: 24mm
Torque Value: 8-10N.m
Bolt Type: -M8



Vent Plug Type:-
M22 coin type



Vent Plug Type: -
M30 Dummy Plug



Zunax Energy Product LLP

Unit 1: Sy No 806, Farooq Nagar Mandal, Mahbub Nagar, Burgulla Village,
Dist. Rangareddy, Telangana - 509202 India

Unit 2: Plot no 24, IDA Kothur, Dist Ranga Reddy, Telangana – 509228, India