

Sinergy Tall Tubular Batteries

Presenting Sinergy Batteries, the high performance and low maintenance tubular batteries. Sinergy batteries are a reliable and economical option for all types of inverters and can be best for a variety of domestic office & solar applications. Loaded with various advanced features, Sinergy batteries are the natural choice for all power solutions.

Why Sinergy?

- Backed with confidence from the house of Sinergy, the makers of India's best selling Sine Wave Inverters & Home UPS.
- Specially designed to support long & frequent power cuts.
- Best in class service & warranty support.
- Superior technology with low Antimonial Lead Alloy for minimal water loss and better flow of electrons.
- Long Life Deep Cycle Batteries.
- Low Self discharge
- Low water loss



Model	Capacity AH @C20 at 27° C	Voltage	Efficiency
STT 55012	50AH	12V	>90%
STT 75012	70AH	12V	>90%
STT 10018	100AH	12V	>90%
STT 15018	150AH	12V	>90%
STT 20018	200AH	12V	>90%
STT 22018	220AH	12V	>90%
STT 24018	240AH	12V	>90%
STT 30018	300AH	12V	>90%

ADVANTAGES

- Fits with all type of Inverters
- Specially Design to Support Long and Frequent Power Cuts
- High Acid Volumes Help With Lower Maintenance
- Low Antimonial Alloy Battery Operates Consistently Even at High Temp.
- Fast Charging Capacity
- Lower Maintenance as Plates are Designed to Prevent Overheating
- Clear Electrolyte Level Indicator

TUBULAR BATTERY INTERNAL CLASSIFICATION

Top Ventilation for Safe Charging

- Easy gas release during charging
- Reduce gas acculturation
- Greater product safety

Modern Terminal Design

- Prevents from external short circuit
- Terminal orientation Changes
- New robust design first time in the industry

Robust Grid Design

- With special additives

PV Envelop Separator

- A Perfect separation medium
- Enhances Decimation Resistance
- Increase product life

High Purity Lead

- Higher cycle time
- Low self discharging rate
- Low topping up

Thicker Plate

- For Extra Life

Deep Cycle

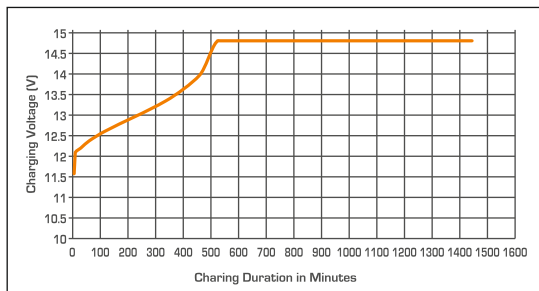
- Flat negative plate with special additives
- Expanders for better charge
- Deeper discharge cycle

MODERN TERMINAL DESIGN

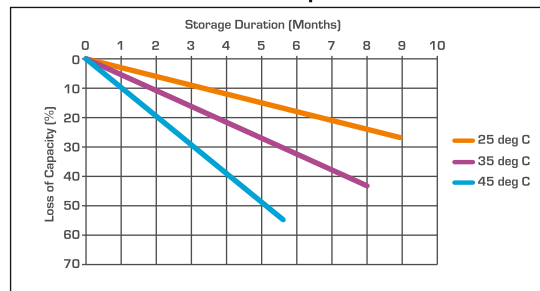


Terminal Configuration :-
Terminal Type :- L
Terminal Height :- 31 mm
Torque Value :- 8-10 N.m
Bolt Type :- M8

Charging Profile



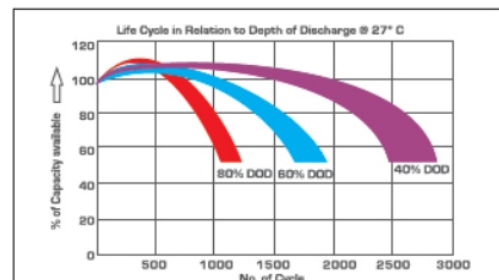
Self Discharge Characteristics @ Different Temperature



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

Expected Life



*STC (Standard Testing Condition)