



PROVING SOLIDARITY FOR
THE GREEN ENERGY



INVERTER | SOLAR HYBRID INVERTER | BATTERY | SOLAR BATTERY | LITHIUM INVERTER | LITHIUM BATTERY

• SOLAR • INVERTER • BATTERY

FEATURES

- Rugged Performance
- Low Self Discharge
- More Electrolyte per Ampere Hour
- Ultra Low Maintenance
- High temperature Performance

Turbosun Solar Batteries are C10 rated deep cycle batteries specially designed for use in solar system and home application to last longer and are rugged enough to be used in all weather conditions, Turbosun Solar batteries are highly stable, safe, durable and rechargeable for larger number of cycles and gives longer backup.



Model	Capacity @C10	Voltage	Container Type	External Dimensions in mm (max)			Gross Weight Kg. (+-2%)	Battery Back-up 400W
				Height (+-3mm)	Width (+-2mm)	Length (+-3mm)		
TS-100	100 AH	12 V	IT-700	370	225	510	53.00	01H:40MIN
TS-150	150 AH	12 V	IT-700	370	225	225	58.00	03H:00MIN
TS-180A	180 AH	12 V	IT-700	370	225	225	60.00	03H:20MIN
TS-200A	200 AH	12 V	IT-700	370	225	225	64.00	03H:30MIN
TS-200A	200 AH	12 V	IT-700	370	225	225	65.00	03H:50MIN
TS-220A	220 AH	12 V	IT-700	370	225	225	66.00	04H:30MIN
TS-220A	220 AH	12 V	IT-700	370	225	225	68.00	04H:40MIN
TS-240A	240 AH	12V	IT-700	370	225	225	70.00	05H:15MIN
TS-250A	250 AH	12V	IT-700	370	225	225	73.00	05H:50MIN
TS-260A	260 AH	12V	IT-700	370	225	225	75.00	06H:15MIN
TS-280A	280 AH	12V	IT-700	370	225	225	76.00	06H:30MIN
TS-300A	300 AH	12V	IT-700	370	225	225	79.00	07H:00MIN
TS-330A	330 AH	12V	IT-700	370	225	225	82.00	07H:30MIN

- Ultra Low Maintenance
- More Backup
- High Cyclic Life
- High Pressure Spine Casting
- Thicker Tubular Plate Design
- More Electrolyte per Ampere Hour

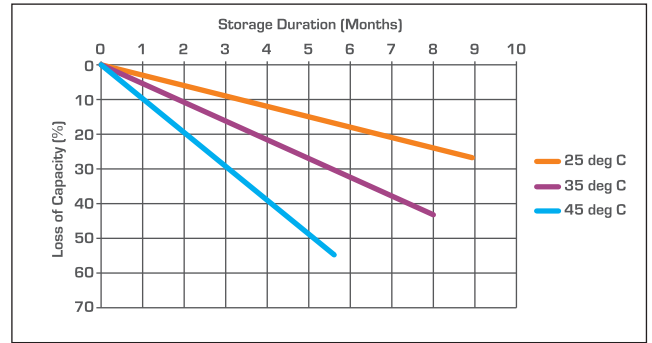
TURBOSUN range Tall Tubular Inverter batteries are designed to operate in extreme climate variations and frequent long power cuts. It is a perfect fit at an affordable price to match every budget. The batteries are constructed with rugged lead plate cast under high pressure to ensure that every battery performs flawlessly even in frequent and long power cuts.

INVERTER BATTERY

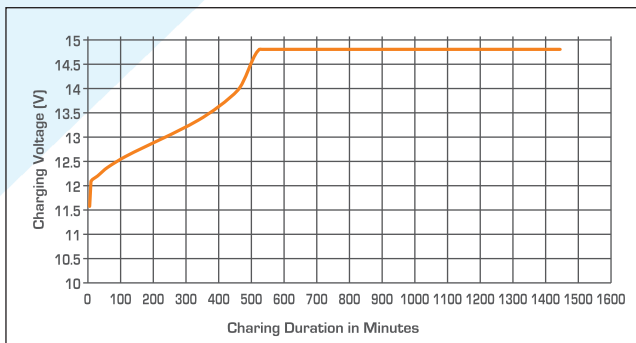


- Poly Components Material :- Polypropylene Co polymer
- Watering system :- Individual to every cell in Monobloc
- Color :- Red
- Testing Parameters :- IS 13369:1992 & IEC 60896-11

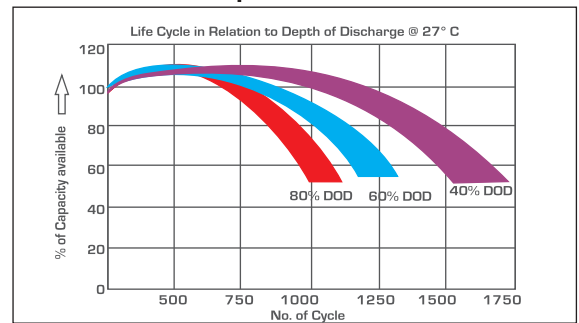
Self Discharge Characteristics @ Different Temperature



Charging Profile



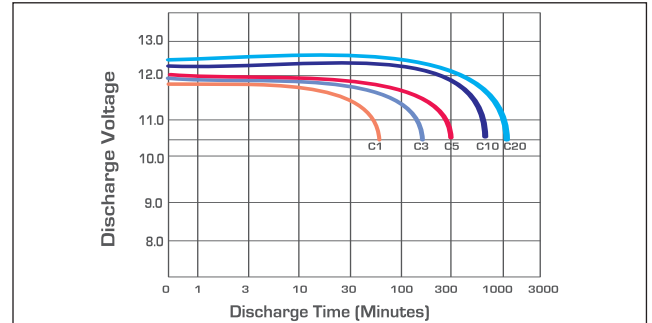
Expected Life



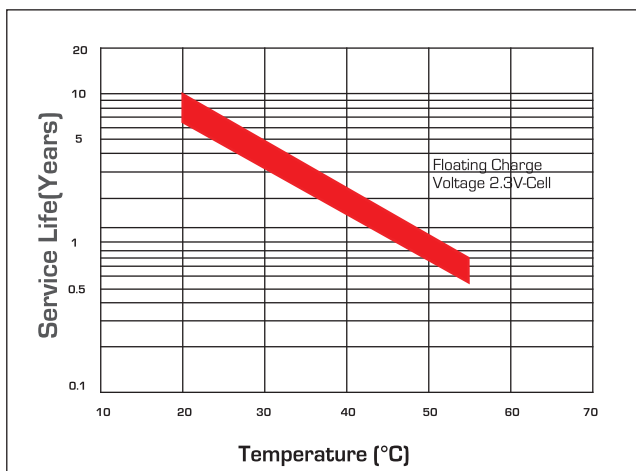
State of Charge Measure of Open-circuit Voltage @ 27°C

State of Charge	Specific Gravity	Voltage
100%	1.245-1.275	12.55V-12.70V
75%	≤ 1.225	≤ 12.4V
50%	≤ 1.190	≤ 12.1V
25%	≤ 1.155	≤ 12.0V
0%	1.120	11.8V

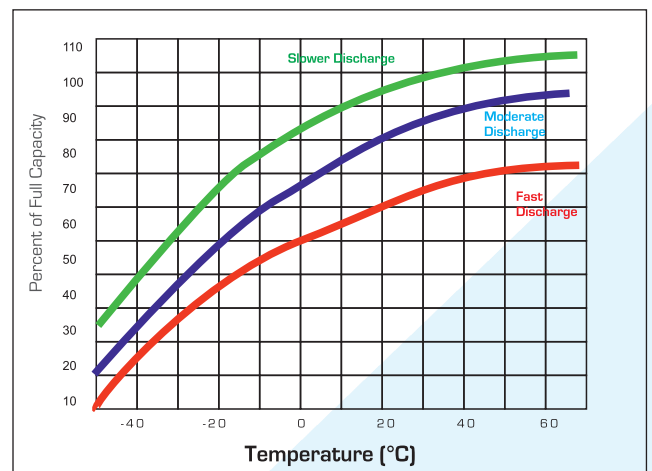
Discharging Characteristics at various rates @ 27°C



Service (Float) Life and Temperature



Expected Capacity vs Temperature



TECHNICAL FEATURES OF TALL TUBULAR BATTERIES

- Suitable for all inverters
- High quality and reliability
- Exceptional deep discharge recovery
- Low maintenance
- Long service life
- TT ranges meets IS:13369 with latest amendments

PRODUCT HIGHLIGHTS OF TALL TUBULAR BATTERIES

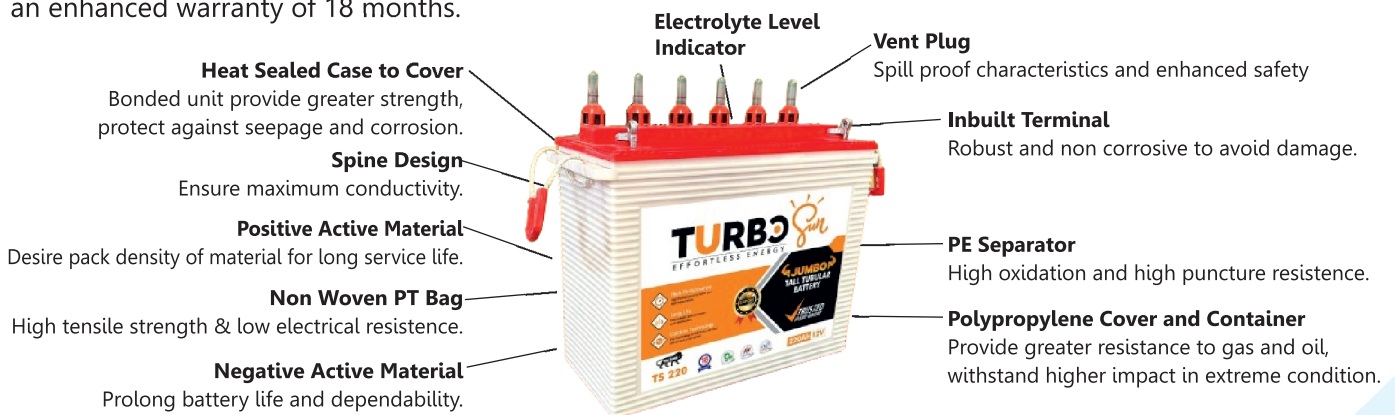
- **Tubular Technology:** Thick tubular plate spines are low antimony and cost in pressure die costing machine (PDC) for high capacity and long cycle life.
- **Low Maintenance:** The extra electrolytes, low antimony alloy and micro porous ceramic vent plug cum sealed float vent plug to reduce the topping up frequency.
- **Terminal Design:** Inbuilt extra thicker terminal gives extra strength to avoid damage and breakage during the transportation and service life.
- **Plate Pickling and Paste Formulation:** The exclusive method gives frequent and long power outage, good charge acceptance even deep discharge, low self discharge and long life deep cycle.
- **Factory Fresh Charge:** Ensure optimal quality and ready for use.

NORMAL RE-CHARGING INSTRUCTION OF TALL TUBULAR BATTERIES

- Recharging through the inverter at constant voltage of 14.4V with limited current, After reached the 14.4V the battery should continue recharge in float charging mode at constant voltage or 13.5V

Turbosun Tall Tubular series is product of joint efforts of in-house R&D.

Turbosun Tall Tubular Rechargeable batteries are designed to withstand frequent and long power cuts with an enhanced warranty of 18 months.



Our vision and missions

Turbosun Tubular vision is to be recognized as a leading of high-quality batteries globally, delivering innovative and sustainable solutions to meet the evolving needs of customers. We want to be the global supplier for high quality battery exporters who prioritize operational excellence while keeping their customers satisfied all over the world.

(GOVT. RECOGNISED EXPORT HOUSE)

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