

### Battery selection against Electrical Loads

If Summation of Electrical Load	Max Inverter Rating	System Voltage	Recommended Battery Capacity for different Back-up time				
			5 Hrs.	4 Hrs.	3 Hrs.	2 Hrs.	1 Hr
≤160 Watt	250 VA	12 V	ST400	SM4000 TM350+			
161 - 240 Watt	350 VA		ST500+	ST500/ SM10000/ SM8500/ TM500L+	ST400	TM350+	
241 - 440 Watt	650 VA / 700 VA		2P - ST500/ SM10000/ SM8500/TM500L+		ST750	ST500+ SM4000	TM350+ SM4000
441 - 600 Watt	850 VA / 900 VA		2P - ST850	2P - ST500+	2P - ST500/ SM10000/ SM8500/ TM500L+	ST750	ST500/ SM10000/ SM8500/ TM500L+
601 - 700 Watt	1050 VA / 1100 VA		2P - ST850	2P - ST750	2P - ST500+		ST500+
701 - 1000 Watt	1450 VA / 1500 VA		3P - ST850	3P - ST750	2P - ST850	2P - ST500+	ST850
≤1000 Watt	1450 VA / 1500 VA	24 V	2S x 2P - ST500+	2S x 2P ST500/ SM10000/ SM8500/ TM500L+	2S - ST850	2S - ST500+	2S - ST400

#### Note:

1. Cut-off voltage of Inverter should be 10.5V (Minimum).
2. There should be a periodic Bench-Charging of the battery after every three months from the date of installation.
3. S = Series connection; P = Parallel connection; e.g. 2S x 2P = A string containing 2 nos. batteries in series and 2 nos. such strings in parallel.

#### Consideration of Electrical Load Details

- 1 no. Fan = 80 Watt
- 1 no. Tube light = 40 Watt



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Unmatchable TUBULAR BATTERIES



# STAN TUBULAR

## TUBULAR INVERTER BATTERY

### Advantages:

- Acid volume per ampere hour is 30% more than that of ordinary tubular batteries
- Acts as coolant and also ensures very low maintenance
- Electrolyte level indicator
- Suited for use in areas of frequent power cuts (800 to 1000 cycles of deep discharge)
- Withstand overcharge
- Ensures consistent quality



### Technical Specification

Model	AH Capacity	Warranty	Length (mm)	Width (mm)	Height (mm)	Weight (Kg) Approx
FST0-ST400	115	42F+12P	500	187	416	53.8
FST0-ST500	150	42F+12P	500	187	416	59.8
FST0-ST500+	180	42F+12P	401	189	414	60.0
FST0-ST750	200	42F+12P	500	187	416	66.0
FST0-ST850	230	42F+12P	500	187	416	70.0

# STAN MASTER

## TUBULAR INVERTER BATTERY

### Advantages:

- Tall Tubular Technology
- High acid volume per ampere hour
- Deep cycle design
- Resistance to abuse
- Tower type design
- Common side venting



### Technical Specification

Model	AH Capacity	Warranty	Length (mm)	Width (mm)	Height (mm)	Weight (Kg) Approx
FSM0-SM4000	100	36F+12P	535	222	290	41
FSM0-SM10000	150	36F+12P	435	187	416	56.5
FSM0-SM8500	150	36F+12P	535	222	290	50.1

# TUBE MASTER

## TUBULAR INVERTER BATTERY

### Advantages:

- More than 20% more extra electrolyte which means lesser topping-up frequency and better thermal management
- Tubular Technology
- Minimum maintenance
- Electrolyte level indicator
- Suited for frequent and long powercuts
- Deep cycle design (800 plus cycles at 80% D.O.D.)



### Technical Specification

Model	AH Capacity	Warranty	Length (mm)	Width (mm)	Height (mm)	Weight (Kg) Approx
FTM0-TM350+	100	24	550	174	308	34
FTM0-TM500L+	150	24	550	174	308	52

# TUBERON

## TUBULAR INVERTER BATTERY

### Advantages:

- Tall Tubular Technology
- High acid volume per ampere hour
- Deep cycle design
- Resistance to abuse
- Tower type design



### Technical Specification

Model	AH Capacity	Warranty	Length (mm)	Width (mm)	Height (mm)	Weight (Kg) Approx
FTB0-TB500L+	150	18	535	185	322	49