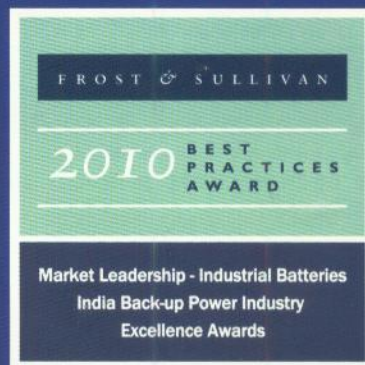




STAN/TUBULAR



Inverter Ka Dost



Available Range :
ST500, ST550 and ST650

INDUSTRIAL

Presenting SF **STANTUBULAR** 500, 550 and 650, the next generation tubular batteries designed specially to withstand long and frequent power outages. **INVERTER KA DOST.**

FEATURES

● Tubular Technology ● Electrolyte level indicator ● High Acid volume per ampere hour ● Deep cycle design ● Resistance to abuse ● Tower type design ● Common side venting ● Conforms to IS 13369 - 1992

ADVANTAGES

★ Very long life ★ User friendly ★ Acid volume per ampere hour is 30% more than that of ordinary tubular batteries. It acts as a coolant and also ensures very low maintenance ★ Suited for use in areas of frequent power outages (800 to 1000 cycles of deep discharge as against 300/400 cycles of other batteries) ★ Can withstand overcharge better ★ Occupies less floor space, totally new look ★ Less pollution, environment friendly ★ Ensures consistent quality.

APPLICATION

The most dependable long life Inverter / Home UPS battery. The next generation robust tubular battery designed specially to withstand long and frequent power outages.

TECHNICAL SPECIFICATION

Model	Capacity at 27°C when discharged at C ₂₀ upto 1.75 vpc (1.280 sp. gr)	Dimension in mm (+/-3)			Weight in Kg (+/-5%)		Volume of Electrolyte (1.220 Sp. Gr) Filled	Initial charge Minimum AH input (AH)	Initial Charge at Constant Current (A)		Constant Potential Limiting Current (Amps)	Trickle Charge (Current in mA)	
		Length	Width	Height *	Dry	Filled			Start (upto 2.36 vpc)	Finish (upto 2.75 vpc)		Min.	Max.
ST 500	150Ah	500	187	416	30.29	58.10	21.50	540	14.4	7.2	30	120	480
ST 550	165Ah	500	187	416	35.88	61.50	21.00	610	16.0	8.0	34	135	540
ST 650	200Ah	500	187	416	40.58	62.54	18.00	720	19.2	9.6	40	160	640

*The height mentioned is upto terminal top.

HIGHER DISCHARGE RATES (OPTIONAL)

Hours		10
Capacity in Ah	ST500	120
	ST550	135
	ST650	160

INITIAL CHARGING INSTRUCTIONS

1. Filling in Specific Gravity	1.220 +/- 0.005 at 27°C	5. Conditions of fully charged a) 3 consecutive hourly readings of specific gravity and voltage become constant b) Top of charge voltage will be around 16.2V - 16.5V c) All cells should gas freely d) Minimum Ah has been given
2. Rest Period	12 hrs.	
3. Minimum Ah input	540 Ah for ST 500, 610 Ah for ST550 and 720 Ah for ST 650	
4. In order to reduce the charging time, the following routine may be adopted. For ST500, the initial charging current may be 14.4A upto 2.36 vpc followed by 7.2A upto 2.75vpc. For ST550, the initial charging current may be 16A upto 2.36 vpc followed by 8A upto 2.75vpc. For ST650, the initial charging current may be 19.2A upto 2.36 vpc followed by 9.6A upto 2.75vpc. However, in both cases, minimum Ah input to be given. Under no circumstances, battery temperature should exceed 50°C. In case the temperature exceeds 50°C, adequate rest to be given till the electrolyte temp. comes to ambient temp. and charging to be continued.		
6. Specific Gravity at fully charged condition		1.250 +/- 0.005 at 27°C

NORMAL RECHARGING INSTRUCTIONS

Recharging through Inverter at constant potential mode of 14.4 V with limited current as specified. After battery potential reaches 14.4 V, the battery should continue in trickle charge mode at constant potential of 13.8V.

BATTERY SELECTION CHART

Electrical Load	System Voltage	Reco. Inverter Rating	Recommended Battery for Different Back-Up Time				
			5 Hrs.	4Hrs.	3 Hrs.	2 Hrs.	1 Hr.
2 Fans + 2 Tube Lights	12	600 VA	ST650	ST500/ST550	ST500/ST550	ST500/ST550	ST500/ST550
4 Fans + 4 Tube Lights	12	600 VA	2P ST650	2P ST500/ST550	2P ST500/ST550	ST650	ST500/ST550
5 Fans + 4 Tube Lights + 1 TV	12	800 VA	3P ST550	3P ST500/ST550	2P ST650	2P ST500/ST550	ST550
9 Fans + 8 Tube Lights + 1 TV	24	1400 VA	2S X 3P ST500/ST550	2S X 2P ST650	2S X 2P ST500/ST550	2S X 2P ST500/ST550	2S ST500/ST550
9 Fans + 10 Tube Lights + 1 TV	24	1500 VA	2S X 3P ST500/ST550	2S X 2P ST650	2S X 2P ST550	2S X 2P ST500/ST550	2S ST500/ST550

Note : If the current of one battery is 'A' amp. for 'N' no. batteries in parallel, the limit current for charging of inverter should be AxN amp. Otherwise there will be problem during charging in parallel connection. This point should be taken in consideration before putting batteries in parallel combination. S = Series connection; P = Parallel connection. 2S X 3P = A string containing 2 nos. batteries in series and 3 nos. such strings in parallel.

Statutory Notice :

All batteries contain lead, which is harmful for humans and environment. As per statutory requirements, the used battery must be returned to the authorized dealer, manufacturer or at the designated collection centres.

* ST550 will render an additional 1/2 hour more back-up than ST500.



STANTUBULAR is a product of ISO 9001 and ISO 14001 certified factories

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*Applied for