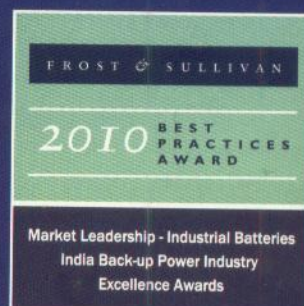




STAN RED



Dazzling Homes. Sparkling Life.



300+ / 350+ / 450+ / 500+

INDUSTRIAL

Presenting the New **STANRED** + range, the next generation tubular batteries designed specially to withstand long and frequent power interruptions. The STANRED+ Tubular Batteries have New Thick Tubular Design Positive Plates. These batteries have enhanced warranty of 36 Months and require very low maintenance.

FEATURES

- More than 20% 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.)
- Abuse resistant
- Faster recharge
- Operating sp.gr. 1.250 ± 0.005 at 27°C

TECHNICAL SPECIFICATION

Model	Capacity when discharged at C ₂₀ upto 1.75 vpc (1.250 sp.gr)	Dimension (+/-3mm)			Weight (Kg+/-5%)		Volume of Electrolyte (1.220 Sp. Gr) Liters/Cell	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.
STANRED 300+	80 Ah	410	176	281	18.4	30.1	1.60	315	8.4	4.2	17.5	70	280
STANRED 350+	100 Ah	506	220	277	24.0	43.0	2.60	396	10.6	5.3	22.0	88	352
STANRED 450+	135 Ah	506	220	277	29.5	47.5	2.47	531	14.0	7.0	29.5	118	475
STANRED 500+	150 Ah	506	220	277	32.5	50.1	2.40	563	15.0	7.5	31.0	125	500

*The height mentioned is upto terminal top. *At 27°C when discharged at C₂₀ upto 1.75 vpc (1.250 sp. gr)

INITIAL CHARGING INSTRUCTIONS

1. Filling in Specific Gravity 1.220 ± 0.005 at 27°C	However, in all 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.
2. Rest Period 10 hrs.	
3. Minimum Ah input for SR300+ is 315Ah, for SR350+ is 396Ah, for SR450+ is 531Ah and for SR500+ is 563Ah.	
4. In order to reduce the charging time, the following routine may be adopted. For SR300+, the initial charging current may be 8.4A upto 2.36vpc followed by 4.2A upto 2.75vpc. For SR350+, the initial charging current may be 10.6A upto 2.36vpc followed by 5.3A upto 2.75vpc. For SR450+, the initial charging current may be 14.0A upto 2.36vpc followed by 7.0A upto 2.75vpc. For SR500+, the initial charging current may be 15.0A upto 2.36vpc followed by 7.5A upto 2.75vpc.	
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
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 14.4V with limited current as specified. After battery potential reaches 14.4V, the battery should continue in float charge mode at constant potential of 13.5V.

APPLICATION CHART

Electrical Load	System Voltage	Reco. Inverter Rating	Recommended Battery for Different Back-up time				
			5 Hrs.	4 Hrs.	3 Hrs.	2 Hrs.	1 Hr.
2 Tube + 2 Fan	12	650 VA	2P SR350+	SR500+	SR450+	SR350+	SR300+
4 Tube + 4 Fan	12	650 VA	3P SR450+	2P SR500+	2P SR450+	2P SR350+	SR450+
4 Tube + 5 Fan + 1TV	12	850 VA	4P SR450+	3P SR450+	3P SR450+	2P SR450+	2P SR300+
8 Tube + 9Fan + 1 TV	24	1450 VA	3P X 2S SR450+	3P X 2S SR450+	2P X 2S SR500+	2P X 2S SR450+	2S SR500+

NOTE: If the limit 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. e.g. 3PX2S = 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.



STANRED + is a product of ISO 9001 and ISO 14001 certified factories

Head Office

Kolkata SF Industrial, 59E Chowringhee Road, Kolkata - 700 020, Phone (033) 2283 2120/33/36/50/51/71/ 2238/39, Fax (033) 2283 2637/2280 2483

Corporate Marketing Office

Kolkata 6A Hatibagan Road, Entally, Kolkata - 700 014, Phone (033) 2286 6158/6159, Fax (033) 2286 6186, E-mail: indicare@exide.co.in

Regional Offices

New Delhi 3E/1 Link Road, Jhandewalan Extension, New Delhi - 110 055, Phone (011) 2362 7095/96/98, Fax (011) 2333 5703

Chennai Industrial Marketing Division, Economist House, 2nd Floor, Western Wing, S-15, Thiru Vi-Ka Industrial Estate, Guindy, Chennai - 600 032, Phone (044) 2250 0726, 1326, 1216, Fax (044) 2250 1216

Mumbai 'RAHEJAS', 5th Floor, 8C Main Avenue, V P Road, Santacruz (West), Mumbai - 400 054, Phone (022) 2646 5283/84, Fax (022) 2646 5042

Kolkata 6A Hatibagan Road, Entally, Kolkata - 700 014, Phone (033) 2284 3137/3168/3169, Fax (033) 2289 7455

Branch Offices

Cuttack Ph.: (0671) 2686151

Guwahati Ph.: (0361) 234 2500/2341119

Fax (0361) 234 5097 (PP)

Jamshedpur Ph.: (0657) 229 3022/0785

Fax (0657) 229 0894 (PP)

Patna Ph.: (0612) 257 0415, 645 8102/03

Fax (0612) 252 9902 (PP)

Siliguri Ph.: (0353) 253 8321, Fax (0353) 252 3731

Chandigarh Ph.: (0172) 500 0014, Fax (0172) 265 4395

Dehradun Ph.: (0135) 324 7766

Ghaziabad Ph.: (0120) 411 7952, 416 4419

Jaipur Ph.: (0141) 229 3799/04, Fax (0141) 229 2877

Jalandhar Ph.: (0181) 223 7870, 653 4983, Fax (0181) 245 9571

Lucknow Ph.: (0522) 404 1896/1899, Fax (0522) 221 8089

Varanasi Ph.: (0542) 250 1680, Fax (0542) 250 1296

Bengaluru Ph.: (080) 4081 0807 / 0808

Fax (080) 2574 4226

Coimbatore Ph.: (0422) 222 1846 / 222 1408, Fax (0422) 222 0858

Hyderabad Ph.: (040) 6516 3958

Kochi Ph.: (0484) 414 9351, 414 9352, Fax (0484) 414 9311

Ahmedabad Ph.: (079) 6510 8207, Fax (079) 2676 9932

Indore Ph.: (0731) 654 2293

Mumbai Ph.: (022) 2646 5283/84, Fax (022) 2646 5042

Nagpur Ph.: (0712) 253 9972/9973

Fax (0712) 253 8348

Pune Ph.: (020) 3230 4041-45, Fax (020) 2443 0094

Vadodara Telefax: (0265) 235 4240

This catalogue is issued to provide outline information only and is not deemed to form part of an offer or contract. Our policy is one of continued improvement and we reserve the right to change details without prior notice.

PHX/SR+/6K/06-2011

www.sfindustrial4u.com
Toll Free No. 1800-103-5454