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INDUSTRIAL
STAN RED 500+



New thick Tubular
Design with Enhanced Warranty

INDUSTRIAL

Presenting **STANRED 500+**, the next generation tubular battery designed specially to withstand long and frequent powercuts and requiring very low maintenance.

FEATURES

- NEW**
- 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 (600 - 700 cycles at 80% D.O.D.)
 - Abuse resistant
 - Faster recharge
 - Operating sp.gr. 1.250 ± 0.005 at 27°C

TECHNICAL SPECIFICATION

Model	Capacity*	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 500+	150Ah	506	220	273	31.00	48.00	2.40	585	15.60	7.80	32.50	130	520

The height mentioned is upto terminal top. *At 27°C when discharged at C20 upto 1.75 vpc (1.280 sp.gr).

HIGHER DISCHARGE RATES (OPTIONAL)

Hours	Capacity in Ah	10	5	3	1
	STANRED 500+	130	108	93	65

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	10 hrs.		
3. Minimum Ah input	585Ah for STANRED 500+		
4. In order to reduce the charging time, the following routine may be adopted. For SR500+, the initial charging current may be 15.6A upto 2.36 vpc followed by 7.8A 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 float charge mode at constant potential of 13.8V.

BATTERY SELECTION CHART

Inverter Rating VA	DC input Voltage	Back-Up Duration				
		5 Hrs.	4 Hrs.	3Hrs.	2 Hrs.	1 Hr.
300	12	SR500+	SR500+	SR500+	SR500+	SR500+
600	12	2P SR500+	2P SR500+	2P SR500+	SR500+	SR500+
	24	2S SR500+	2S SR500+	2S SR500+	2S SR500+	2S SR500+
800	12	3P SR500+	2P SR500+	2P SR500+	2P SR500+	SR500+
	24	2P X 2S SR500+	2S SR500+	2S SR500+	2S SR500+	2S SR500+
1000	12	4P SR500+	3P SR500+	3P SR500+	2P SR500+	2P SR500+
	24	2P X 2S SR500+	2P X 2S SR500+	2P X 2S SR500+	2S SR500+	2S SR500+
1400	24	2S X 3P SR500+	2S X 2P SR500+	2S X 2P SR500+	2S X 2P SR500+	2S SR500+
	48	4S X 2P SR500+	4S SR500+	4S SR500+	4S SR500+	4S SR500+
2000	24	2S X 4P SR500+	2S X 3P SR500+	2S X 3P SR500+	2S X 2P SR500+	2S X 2P SR500+
	48	4S X 2P SR500+	4S X 2P SR500+	4S X 2P SR500+	4S SR500+	4S SR500+

Note : S = Series connection; P = Parallel connection. 4S X 2P SR 500+ means a string with 4 nos SR 500+ in series and 2 nos such strings in parallel. SR 500+ means STANRED 500+

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

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