SAFFRON ENGINEERING

PL.NO.01,ASHIRWAD INDUSTRIAL SOC-2, NR. MAMTA HOSPITAL
OPP. BHARAT PETROL PUMP, 120, FEET BAMROLI ROAD, SURAT-395002

GSTIN : 24AEHPN7972F1Z8
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DEEP CYCLE INVERTER SOLAR TALL TUBULAR SPECIFICATIONS & INFORMATION SHEET

Model Number: STT-2100
Nominal Voltage: 12V | Nominal Capacity (AH, @C20): 210Ah

ELECTRICAL PARAMETERS: Specific Capacity Test (27 ˚C)					
C20@10.5V	C10@10.8V	C5@10.8V	C3@10.8V	C2@10.8V	C1@10.5V
210	200	188	170	146	120
Ah Efficiency	> 98%	Wh Efficiency	> 88%	Weight Variation	± 2%
Load Test results *:					
Sample 1: Power Backup at 400 Watts Load:		4.45 hours (±10min.)	At 25°C OCV at 100% | SCO at 12.55 to 12.65		
Sample 2: Power Backup at 400 Watts Load:		4.55 hours (±10min.)	At 25°C OCV at 100% | SCO at 12.65 to 12.70		
ISO Standards	ISO 9001:2015			Self-Discharge Results*	
Cyclic use	Max. Current 20A | Temp Compensation on 15mV/°C Cycle Use 14.4 to 14.6 volt			4 Month Storage - Remaining Capacity: 85%	
Float Use	Max. Current 22A | Temp Compensation on 15mV/°C Standby Use 13.5 to 13.8 volt			6 Month Storage - Remaining Capacity: 75%	
Battery Specifics					
Container Material: PP (Poly Propylene)		Terminal Material: Lead (Pb)		Carton Box: Thick 5 Ply Box	
Battery Dimensions (mm, ±5mm)					
Length	500	Width	190	Height	410
Battery Weight (kg, ±2%)					
Dry Weight	41.5 kg	Filled Weight	66kg	Gross Weight	67 kg

PRODUCT FEATURES:

1. **Patented Plate Design with unique gauntlets & spine combination with special additives resulting into optimum performance and 25% more life cycles.**
2. High Density Grid design with automatic double sided pasting long life & low shedding,
3. High pressure die-casted spines resulting into nearly zero corrosion & high floating life,
4. High grade electrolyte for better shelf life,
5. Unique Alloy composition resulting ultra-low water consumption & water top up (Only once or twice a year),
6. Unique recipe for Negative paste serves as improved & faster rate of charge acceptance,
7. Durable Ceramic Vent Plugs for controlled acid fumes.

WIDE RANGE OF APPLICATIONS:

1. Solar, Inverter, UPS system applications,
2. Medical & related equipment's back systems,
3. Security Systems, Emergency Alarm & Fire Alarm,
4. Server Room power backup systems,
5. Power Plant & Sub Stations,
6. Telecommunication Equipment's,
7. Railway Signaling Lines,
8. Radio & Satellite Signaling,
9. Computers & Data Centers,
10. Emergency lighting & many more.

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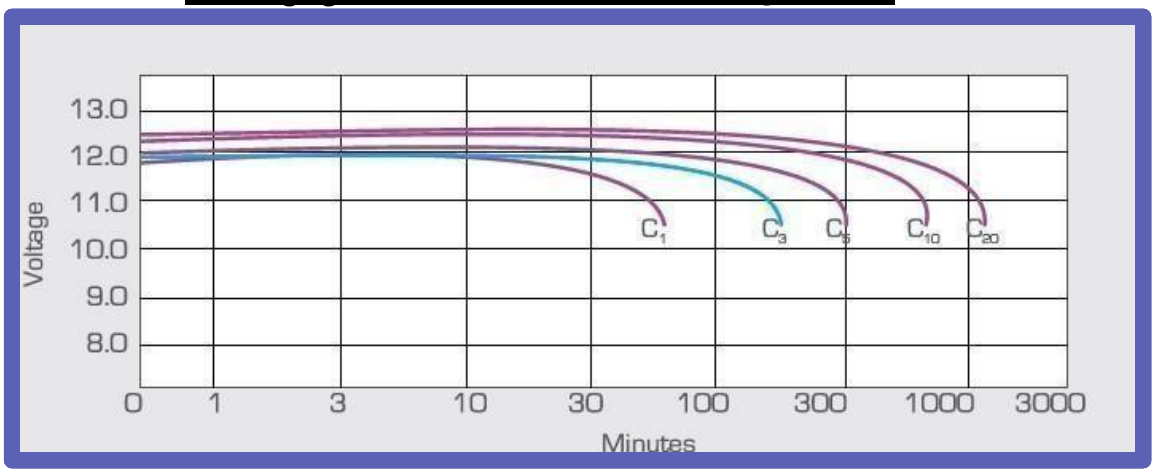
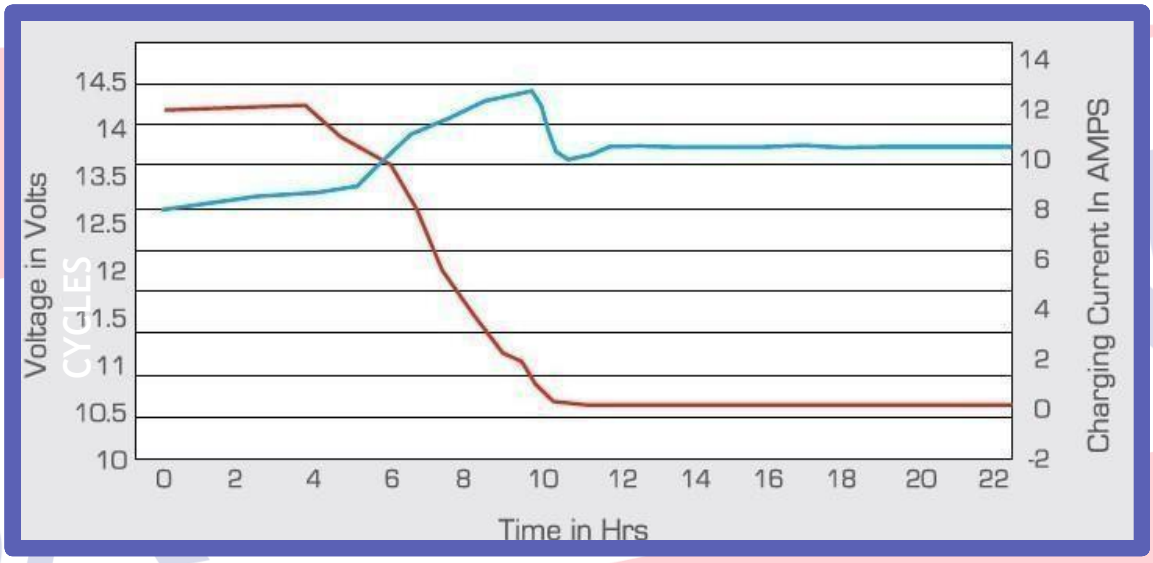
Discharging Characteristics at various rates @ 27°C



Charging Characteristics



Life Cycle VS DOD @ 27°C