

### Features:

- Tubular plate design specifically tailored for deep cycle usage
- Tower type PPCP container-cover design, assuring significantly higher electrolyte level above plates
- In-line level indicator for easier access
- Special envelope separator minimizes possibility of internal short circuit
- Confirms to IS13369-1992
- Less electrical resistance, High oxidation resistance, high porosity, High charging efficiency.

### Advantages:

- High life, low maintenance
- Suitable for use in areas with frequent power cuts
- Optimized material usage

### Technical Specification:

Model Ref.	SAP Code	Nominal Voltage	C20 Capacity at 27°C till 10.5V (Test gravity 1.240±0.005)	Overall Dimensions				Battery Filled Wt.	Battery Packed Wt.
				Length	Width	Height up to Cover	Height up to Terminal top		
		(Volt)	(Ah)	± 3 mm	± 3 mm	± 3 mm	± 3 mm	±5% Kg	±5% Kg
AZ836ST	F1147B528100	12V	100	505	220	296	285	40	42

### Constant power discharge performance\*\*:

Model Ref.	Backup Duration (HH:MM) at				
	500W	400W	300W	200W	100W
AZ836ST	01:20	01:50	02:50	04:30	10:40

**\*\* All test data based on stabilized battery capacity on a New battery, under controlled laboratory test conditions**

### Capacity Ampere-Hour (AH) \*\*:

Capacity	AZ836ST
20-Hr	100
10-Hr	84
5-Hr	70

### Charging Instructions\*\*:

Model Ref.	Boost Charging		Trickle Mode Charging	
	Starting Rate	Finishing Rate	Minimum	Maximum
	Amp	Amp	mAmp	mAmp
AZ836ST	10.1	5.0	84	336

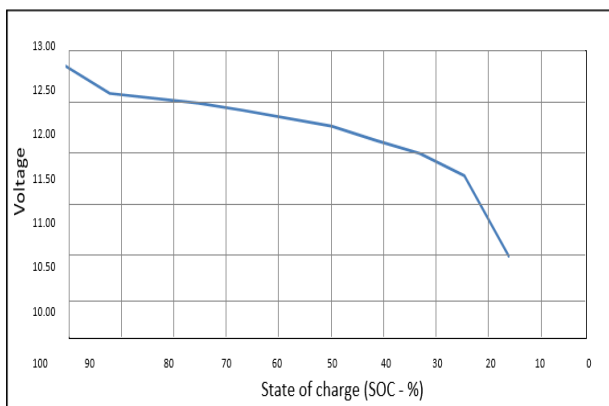
### Charging Temperature Compensation\*\*:

ADD	Subtract
0.005 Volt per cell for every 1°C below 25°C 0.0028 Volt per cell for every 1°F below 77°F	0.005 Volt per cell for every 1°C above 25°C 0.0028 Volt per cell for every 1°F above 77°F

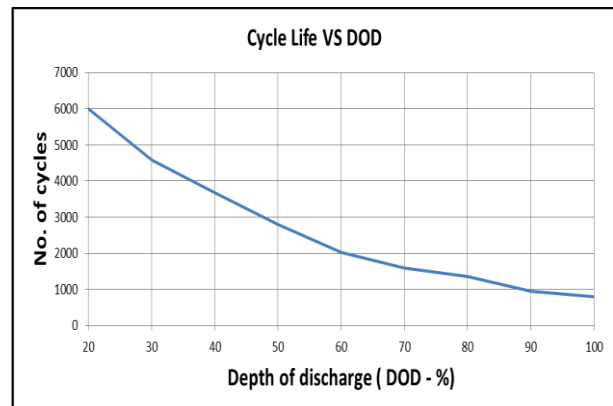
Rated Capacity at minimum ambient temperature	AH	As per formula: $C_t = C_{27}\{1 + 0.0043(t - 27)\}$
Rated Capacity at maximum ambient temperature	AH	As per formula: $C_t = C_{27}\{1 + 0.0043(t - 27)\}$
Self-Discharge		Conforms to IS13369-1992

### Operational Data\*\*:





#### STATE OF CHARGE CHARACTERISTICS



#### TYPICAL DOD Vs LIFE CYCLE



### List of Accessories

Sl. No.	Description	Photo	Quantity
1	Float Indicator		6 nos.
2	M8 Fastener set (Set comprises 1 no. Bolt, 1 no. Nut, 2 nos. plain washer & 1 no. spring washer)		2 sets
3	Positive Terminal Cap		1 nos.
4	Negative Terminal Cap		1 nos.

All accessories provided "Free of Cost" along with the batteries

### Lead Acid Battery DOs & DON'Ts

DOs	DON'Ts
<p>Always store the batteries in cool, dry area. Freshening charge to be given if the battery is stored beyond 3 months</p> <p>Read carefully instructions before installation the battery</p> <p>Battery to be installed away from heat source, sparks and open flames. Terminals to be tightened ensuring recommended torque</p> <p>After installation, replace the vent plugs with float indicator. Use petroleum jelly over terminal &amp; fasteners.</p> <p>Based on float indicator indication, battery to be topped up using DM water only. NEVER added acid in the battery. Clean the top surfaces of the batteries when dust accumulates. All extra water from the battery surface, to be wiped off after battery topping up.</p> <p>Provide sufficient ventilation around battery</p> <p>Battery should not be left in a discharged condition. Immediately after discharge battery to be recharged</p>	<p>Don't transport battery in tilted condition</p> <p>Don't keep the battery directly exposed to rain, dust or sunlight</p> <p>Don't try to dismantle the battery</p> <p>Don't tamper the terminals &amp; safety valves, if any</p> <p>Don't over tighten the connectors</p> <p>Don't short circuit the battery terminals</p> <p>Don't mix the batteries of different Ah, different age &amp; different manufacturer.</p>