

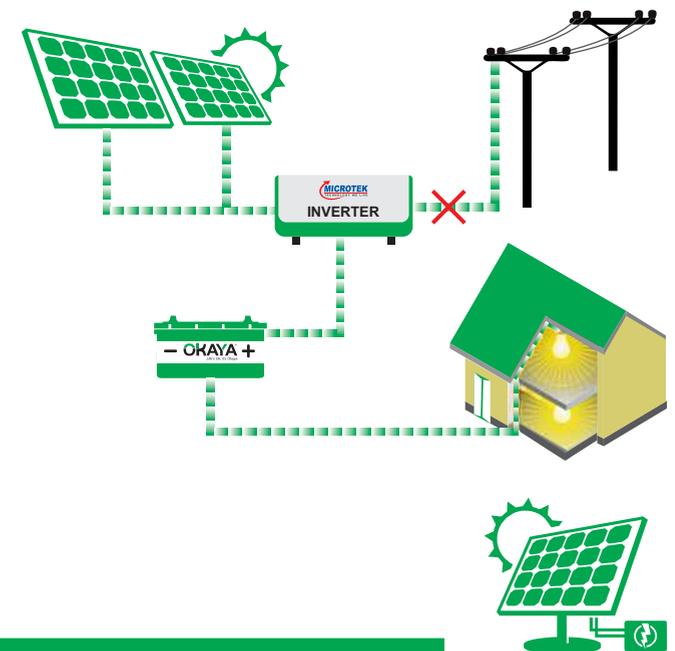
■ SOLAR BATTERIES



Ultra Low Maintenance Advance Solar Tubular Battery

Solar Batteries as the name suggests are powered by the solar energy. It is a rechargeable battery that integrates a solar cell with battery power storage. It is also a tubular battery and uses captive power for its energy source. Over the last decades, the focus on Solar Photovoltaic Systems usage to meet the growing clean power demand globally has increased manifold. The success of a SPV system largely depends on the efficiency of its storage. These have been developed specifically for use in Photovoltaic Systems or are just used for individual purpose. They are used especially in stand-alone systems for storage of energy produced by solar panels and batteries as a buffer when major consumer operation. Cost effective storage of solar power is a challenge as the electricity produced from solar panels is intermittent.

- Long Life- Designed to last for at least up to 60 months.
- High Temperature Resistance- Heavy duty batteries made to sustain extreme temperatures.
- Ideal for Deep Cycle Applications.



■ APPLICATION

- Solar Photovoltaic Power Plants
- Solar Home Lighting
- Solar Street Lighting
- Traffic Signals



For over 12 years, Okaya Power Group has pioneered industrial battery technology in India. Okaya offers advance tubular solar batteries, manufactured in state-of-the-art production facilities.

Okaya Solar Tubular battery comes in strong weather resistance PPCP containers. These batteries have spines of the positive plates, cast at high pressure in imported "HADI" machines. The plates are also cast with low antimony content for ultra-low maintenance features.

■ SALIENT FEATURES

- Designed cycle life at C10 discharge (at 27° C, 1.85 VPC)
- Ultra low maintenance due to low antimony content.
- Excellent Ampere-hour and Watt-hour efficiency
- Ultra low rate of self discharge.
- Ideal for cyclic applications due to superior voltage and energy output profile.
- Designed to operate in partial state of charge condition.
- Microporous Ceramic vent plugs with water level indicators.
- Very efficient in hybrid applications.
- Paperless warranty.



ECO FRIENDLY



SOLAR POWER



GREEN ENERGY



RECYCLE



OKAYA
Life's Ok, It's Okaya



■ EXCLUSIVE FEATURES

Okaya Solar Batteries comes in 11 models which are differentiated based on the size and capacity of the batteries which range from 20 Ah to 200 Ah. Some of the exclusive features of Okaya Solar Batteries include:

- **Partial State Charge Condition:** The batteries are designed to operate in partial charged conditions even in the non-sunny days.
- **Micro porous Ceramic Vent Plugs with water level indicators.**
- **Low Maintenance-** Due to the low antimony content the batteries are easier to maintain.
- **Low Rate of Self Discharge-** Designed cycle life at C10 discharge (at 27°C,1.85 VPC).
- **Superior Voltage-** Ideal for cyclic applications due to superior voltage and energy output profile.
- **Excellent Efficiency-** Excellent Ampere-hour and Watt-hour efficiency.

■ TECHNICAL SPECIFICATION

Model No.	Voltage (V)	C10 Capacity At 27°C (1.85 VPC) (AH)	Outer Dimesnsions In mm(+ -2mm)				Weight (±3 % Kg)	
			Length	Width	Container Height	Overall Height	Dry Weight	Net Weight
ST 020 H	12	20	259	172	202	242	8.4	14.2
ST 020 S	12	20	259	172	202	242	8.6	15.0
ST 040 H	12	40	407	176	210	250	13.5	23.2
ST 040 S	12	40	407	176	210	250	13.6	23.5
ST 075 H	12	75	532	221	241	284	16.2	37.0
ST 075 S	12	75	532	221	241	284	18.4	39.0
ST 100 H	12	100	532	221	241	284	21.6	41.0
ST 100 S	12	100	550	276	217	258	24.5	44.6
ST 120 S	12	120	550	276	217	258	30.0	50.0
ST 150 S	12	150	550	276	217	258	36.5	56.0
ST 200 H	12	200	508	190	377	412	39.0	65.2

