

SOLAR BATTERIES



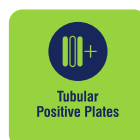
CORE FEATURES

TUBULAR TECHNOLOGY:

The positive plate support in Tubular Batteries is cast at high pressure (100 Bar) on an imported HADI machine, ensuring void-free structure and consistent grain orientation, as well as protecting the plate support from anodic corrosion. As a result, improved reliability and longer life are assured. Tubular plates have a low antimony concentration, which minimises the frequency of filling up and makes the battery low maintenance. This also keeps the float charging current low, lowering the overall energy required to keep the battery charged during standby float.

BENEFITS:

- Designed specifically for demanding SPV applications
 - Tubular Technology is used in the manufacturing process, ensuring dependable and consistent results.
 - Designed to function in a partial state of transition.
 - Designed specifically for cyclic use.
- The voltage and energy output profiles are superior.
- Outstanding charging efficiency:
 AH efficiency is greater than 90%; WH efficiency is greater than 80%.
 - A service life that is comparable to the greatest international brands.
 - At a C10 discharge temperature of 25°C, the designed cycle life is:
 1500 cycle with a DOD of 80% 3000 cycles to a DOD of 50%
 5000 cycles to a DOD of 20%
 - Supplied fully charged from the factory, ensuring excellent quality and readiness for use.
 - Extremely low upkeep
 - 6V mono-blocks are offered with either a Ms Cabinet (with a suitable exhaust system installed) or an MS Stand (in a knock-down state).

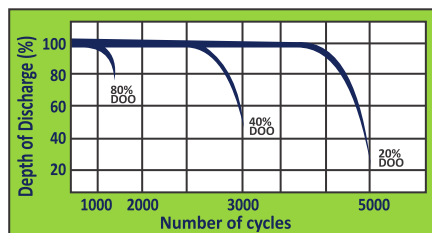




CHARGING CHARACTERISTICS OF SOLAR BATTERIES:

Mode of Operation	Voltage setting per mono-block unit for ambient temperature 25-30°C		Current Settings
	12V mono-block	6V mono-block	Maximum - 20% of battery Ah capacity
Float Voltage	13.7V \pm 0.1V	6.85V \pm 0.1V	
Bulk Voltage	14.5V \pm 0.1V	7.25V \pm 0.1V	Maximum - 10% of battery Ah capacity
Low Voltage Disconnect	11.1V \pm 0.1V	5.55V \pm 0.1V	

CYCLE LIFE:



APPLICATION:



Solar Home Lighting



Solar Street Lighting



Solar Photovoltaic Power Plants



Traffic Signalling

Tubular Batteries (IS)					
Battery Model	Capacity (AH)	Dimensions (+/-3) mm			Constant Current Charge (A)
		L	W	H	
STB400+	C10 - 40 AH	410	175	240	4A
STB750+	C10 - 75 AH	500	220	255	7.5A
STB1500+	C10 - 150 AH	505	190	410	15A
STB1500	C20 - 150 AH	505	190	410	10A
STB2000	C20 - 200 AH	505	190	410	11A
STB2200	C20 - 220 AH	505	190	410	12A
STB2500	C20 - 250 AH	505	190	410	12A

*Due to continuous improvement technical specifications & product image can change without prior notice.