

SOLAR BATTERIES



CORE FEATURES

TUBULAR TECHNOLOGY:

The positive plate support in Ceil 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. Ceil 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).



Available in
SOLA-TUBULAR
range



PPCP
Container



Tubular
Positive Plates



Pasted
Negative Plates



High porosity
Envelope
Separators



Microporous
Ceramic
Vent Plug



High tensile, acid
resistant Polyester
Gauntlets



Low resistance
Fasteners.

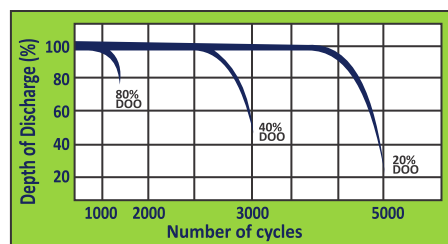


Heavy duty
Terminal

CHARGING CHARACTERISTICS OF SOLAR BATTERIES:

Model of Operation	Voltage setting per mono-block unit for ambient temperature 25-30°C		Current Settings
	12V mono-block	6V mono-block	
Float Voltage	13.7V $\pm$ 0.1V	6.85V $\pm$ 0.1V	Maximum - 20% of battery Ah capacity
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)	Battery Weight			Dimensions (+/-3) mm			Constant Current Charge (A)
		Nominal Voltage (V)	Without Acid + 5%	With Acid 5%	L	W	H	
STB400+	C10 - 40 AH	12	13.5 kg	22	410	175	240	4A
STB750+	C10 - 75 AH	12	22.6 kg	41	500	220	255	7.5A
STB1500+	C10 - 150 AH	12	31.8kg	58	505	190	410	15A
STB2500+	C10 - 220 AH	12	42.3 kg	68	505	190	410	22A
STB1500	C20 - 150 AH	12	30 kg	56	505	190	410	10A
STB1900	C20 - 190 AH	12	35 kg	61.0	505	190	410	11A
STB2200	C20 - 220 AH	12	38.5 kg	64	505	190	410	12A
STB2500	C20 - 250 AH	12	42.3 kg	68	505	190	410	12A

Product specifications are subject to change without further notice.