

EPSILON 

**Powering
the Future**

**LOW MAINTENANCE
TUBULAR BATTERIES
FOR RENEWABLE ENERGY**

www.fireflybattery.in

Firefly's EPSILON Tubular Batteries are specially designed to withstand the robust Renewable applications. Firefly is R & D Focus and offer its customers the appropriate batteries to suit their applications. Positive plates are specially designed & manufactured through High Pressure Die Casting machine. Positive & Negative Plates are separated by imported Micro Porous Polyethylene Sleeve of high Volume Porosity & Puncture Resistance to prevent short circuit. Battery cases are made out of High impact Resistant Polypropylene to withstand the extreme climatic conditions across the country.

Features

- ⊕ Hybrid Alloys for Grids - Minimized Gassing and Low Water Loss.
- ⊕ Higher Charge Acceptance.
- ⊕ Barton Oxide - Tubular plates for good cyclic life.
- ⊕ Designed for Long Life.
- ⊕ Capable for Deep Cycling.
- ⊕ Factory Charged and Ready to Use.



Sr. No.	Battery Type	Voltage	Rated Capacity in AH @ 10 Hr. to 10.50V at 27°C	Overall Battery Dimensions (± 5 mm)			Battery Weight in Kgs. (± 5%)		Electrolyte Volume in Liters (Approx.)
				Length	Width	Height*	Dry	Wet	
1	C-SUN 40 ST	12	40	305	172	238	13.5	21.0	6.0
2	C-SUN 75 ST	12	75	410	173	240	23.0	35.0	8.5
3	C-SUN 100 TT	12	100	505	190	410	31.0	52.0	21.0
4	C-SUN 120 TT	12	120	505	190	410	34.0	58.0	20.5
5	C-SUN 150 TT	12	150	505	190	410	38.0	62.0	19.5

*Height up to Terminal

Charging Parameters

Charging Voltage	: 14.40 ± 0.05V / Battery at 27°C
Low Battery Disconnect	: 11.10 ± 0.05V / Battery at 27°C
Load Reconnect Voltage	: 12.20 ± 0.05V / Battery at 27°C
Minimum Charge Current	: 0.05C Amperes
Maximum Charge Current	: 0.20C Amperes
Electrolyte Specific Gravity of the Fully Charged Battery	: 1.245 ± 0.010 at 27°C

Firefly reserve to change the technical particulars mentioned as above as part of product up gradation without notice.