



Solar Tubular Batteries



About

Servotech is dedicated to creating value through transformative change, with a commitment to advancing a green future through sustainable development and relentless innovation. Our eco-friendly products are designed to lead the way in renewable energy and electric mobility. With an extensive presence spanning over two decades we have curated high value solutions.

Our green product portfolio features comprehensive power and backup solutions, including solar tubular batteries, solar panels, inverters, and much more. Our Solar Tubular Batteries are a notable addition to our robust lineup of efficient solar products, reflecting our forward-thinking approach. Recognizing the importance of integrating cutting-edge technology, we have developed these advanced solar tubular batteries. Servotech continues to push the boundaries of solar technology, ensuring we deliver superior performance and innovation to our customers.

Solar, Simplified with Solar Tubular Batteries

Servotech's Solar Tubular Batteries with their new and improved advanced technology redefine the concept of renewable power. Crafted with sincerity, built on reliability, our batteries are a reflection of Servotech's long lasting legacy of technology driven reliable and durable products.

Here is why you should choose us :

- **Industry Leader:** As a pioneering solar solutions provider, Servotech leads innovation in the renewable energy sector, with products trusted by customers globally.
- **Precision Engineering:** Our solar tubular batteries bring you the next level of innovation to keep you powered even when the grid can't. Expertly crafted for efficient energy storage, ensuring maximum power output.
- **High Efficiency:** Designed with a focus on optimal performance, Servotech batteries provide high energy output, lowering electricity costs and maximizing your solar investment.
- **User-Friendly Design:** Featuring easy-to-use interfaces and simple installation, our batteries offer a seamless experience, making solar power accessible and convenient for all households.

Solar Tubular 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).



Available in
SOLAR-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

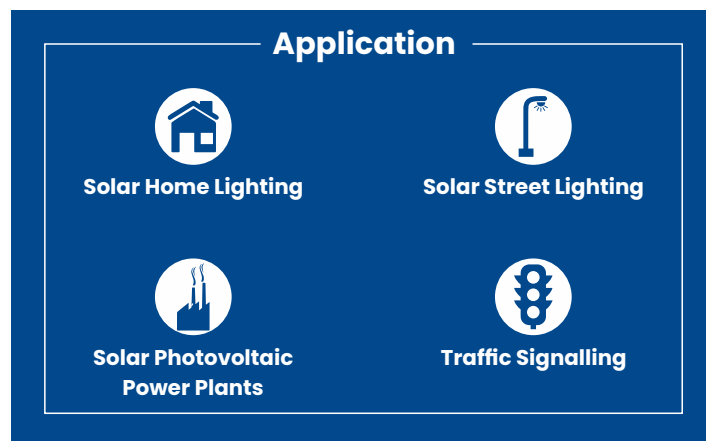
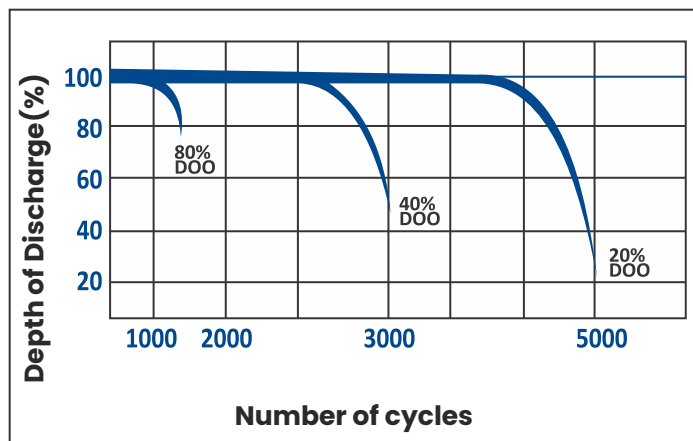


Heavy duty
Terminal

Charging Characteristics of Solar Batteries

Mode of Operation	Voltage setting per mono-block unit for ambient temperature 25–300C		Current Settings
	12V mono-block	6V mono-block	
Float Voltage	13.7V ± 0.1V	6.85V ± 0.1V	Maximum - 20% of battery Ah capacity
Bulk Voltage	14.5V ± 0.1V	7.25V ± 0.1V	Maximum - 10% of battery Ah capacity
Low Voltage Disconnect	11.1V ± 0.1V	5.55V ± 0.1V	

Cycle Life:



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.



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Servotech Renewable Power System Ltd.

Corporate Office : 806, 8th Floor, Crown Heights, Sector-10, Rohini, New Delhi - 110085

Ph: 011-41183116, +91 9818680033

 **+91 9311313734**

Email: servotech@servotechindia.com

Website: www.servotech.in

Reg. Add. & Kundli Plant: Khata No. 1970, Khewat No. 1672, Khasra No. 21/20/2/2, Revenue Estate, Kundli, P.S.Rai, Sonipat, Haryana - 131029

Safiabad Plant: Killa No. 14/6/1/2 (0-3), 6/2/3 (5-13) Village-Safiabad, Pana Paposhian, Rai, Sonipat, Haryana-131029

