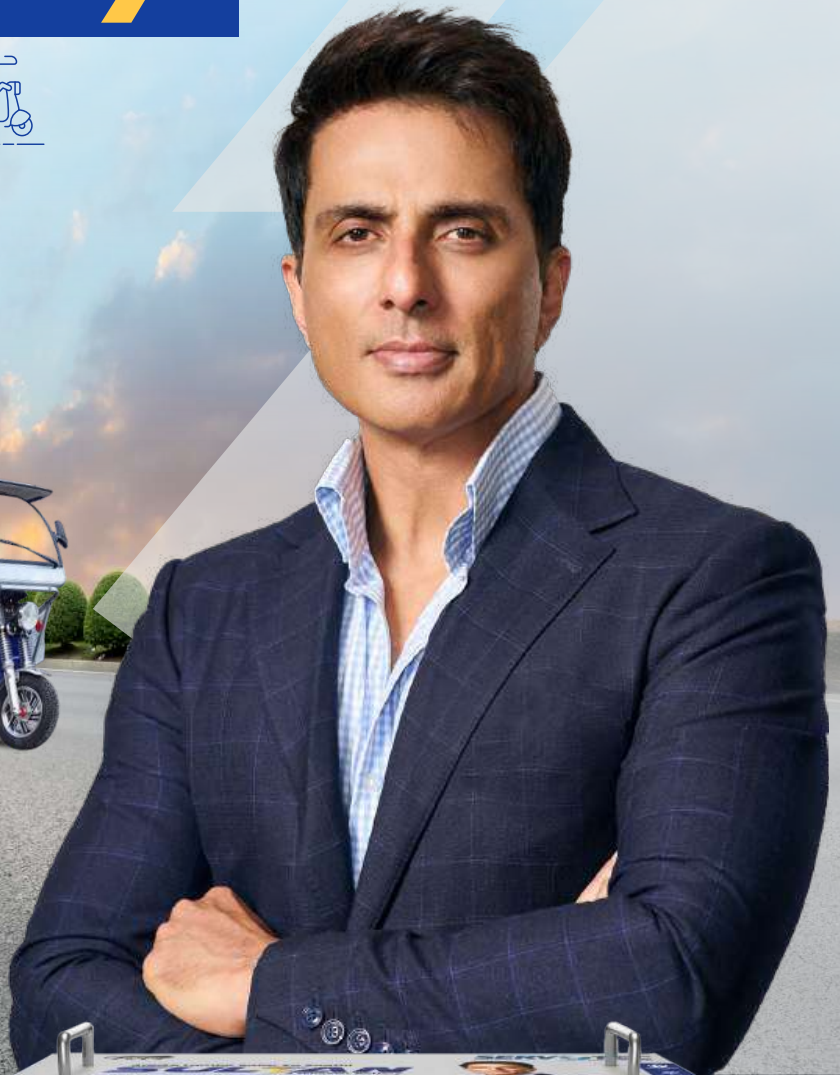


3 Wheeler **E-Mobility** Solutions



About

Servotech Renewable is committed to enabling the next phase of clean mobility through innovation-led, purpose-built energy solutions. With a strong focus on India's electric three-wheeler ecosystem, we design products that enhance reliability, performance, and operational efficiency. Backed by decades of expertise in power electronics and energy systems, our solutions are engineered to meet the demands of real-world mobility.

Our micro-mobility portfolio features SULTAN lithium-ion batteries and Zest chargers, an integrated energy solution developed specifically for electric three-wheelers. Built on advanced LFP chemistry and intelligent charging technology, these products deliver improved payload capacity, faster charging, and long-term durability, supporting a more efficient and sustainable future for commercial Evs.

From the MD's Desk

India's electric three-wheeler segment is emerging as a powerful driver of clean and inclusive mobility, transforming last-mile transport across the country. At Servotech, our entry into this space marks a natural progression of our clean energy journey. With the launch of SULTAN lithium-ion batteries and Zest chargers, we aim to deliver reliable, scalable solutions tailored for micro-mobility. We firmly believe this sector holds the potential for a true mobility revolution, and Servotech is committed to playing a defining role in shaping its future.



Raman Bhatia

Founder & MD, Servotech Renewable Power System Ltd.

3 Wheeler Li-ion Battery



Servotech's high-density 3-wheeler batteries deliver reliable, long-range power with minimal maintenance. Lightweight and durable, they enhance vehicle efficiency ensuring more uptime, higher earnings, and complete peace of mind for drivers.



Eco-Friendly

Delivers clean, sustainable power with zero emissions, helping reduce environmental impact while supporting greener urban mobility every day.



Low Maintenance

Built for durability with minimal upkeep requirements, reducing downtime and maintenance costs for everyday operations.



High Energy Density

Stores more power in less space, delivering longer driving range and consistent performance throughout the day.



Low Self Discharge Rate

Retains charge efficiently even during idle periods, ensuring dependable power availability whenever the vehicle is in use.



Lightweight & Compact

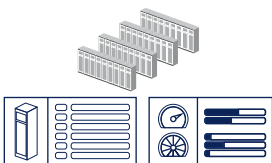
Compact, lightweight design improves vehicle balance and efficiency for better performance without any unnecessary load.



More Charge Cycles

Designed to last longer with higher charge cycles, offering extended battery life and better long-term value.

Battery Management System



Real-Time Battery Information



- System voltage, current, SOC, SOH
- Cell voltage, current, temperature
- Warning/Fault report

Directly Accessible By The User



- Easy maintenance
- Operation cost reduction

Product Technical Specifications

Specification	51.2V 105Ah	64V 105Ah
Application	3W	3W
Cell Chemistry	LFP	LFP
Cell specification	3.2V 105Ah	3.2V 105Ah
BMS Type	Smart	Smart
Bluetooth Connectivity	Yes	Yes
Energy (kWh)	5.37	6.72
Nominal Voltage	51.2V	64V
Rated Capacity	105Ah	105Ah
Operating Range	46.4V ~ 57.6V	58V~71.8v
Standard Charging Current (A)	25A	25A
Standard Discharging Current "C" Rate	C/2	C/2
Max. Discharging Current "C" Rate	1C	1C
Temperature Working Range (°C)	-10°C ~ 60°C	-10°C - 60°C
Storage Temperature (°C)	25°C	25°C
Life Cycle (80%)	2500* @25°C	1200 @25°C
Weight (Kg)	<50 Kg	<60 Kg
Type of Connector	SB 50 & SB75	SB 50 & SB75
IP Rating	IP67	IP67

2/3 Wheeler Battery Charger



Servotech's 3-Wheeler Battery Charger delivers fast, efficient, and reliable power for e-rickshaws and e-autos. Featuring IP20 protection and smart technology, this durable charger maximizes battery life and minimizes downtime, ensuring peak productivity and peace of mind for fleet owners.



- | | | | |
|--|---|--------------------------------|-------------------------|
| ■ Stable Charging even in Low Voltage | ■ Optimized for deep discharged battery | ■ Smart Fault Detection Alerts | ■ PFC + LLC |
| ■ Adaptive Battery Charging | ■ Ingress protection IP20 | ■ Reverse Battery Protection | ■ Compact & Lightweight |
| ■ Universal 3-wheeler Battery Charger NON CAN. | ■ Efficient Heat Dissipation | ■ Original Anderson Connector | ■ Air-Cool Design |



Product Technical Specifications

Specification	Off-Board Charger
Input Nominal Voltage	230VAC
Input Operating Range	160 VAC – 280VAC
Input Nominal Frequency	50 – 60Hz
Input Operation Frequency	47.5 – 52.5 Hz
Rated Power Output	1400W
Input Plug & Cable	3 Pin Plug (16 A) Moulded 3 Core – 1.5 Sq. mm. Meter Wire Length 1.5 meter AC side
Input Power Factor	Active PF Correction, PF > 0.95, ITHD < 5%
Max Input Current	10A
Output Nominal Voltage	51.2V
Output Voltage Range	36v–60V
Output Peak Voltage	58.4V ± 0.1V
Output Current	25A ± 2%
Ripple Voltage	<1%
Output Plug & Cable (Power)	Anderson 2 Pin connector, 2 core 4sqmm, 1.5 meter DC side Part No: SBX50 (Anderson)
Charging Method	CC (<56V) & CV @56V
Battery Full Charge Cut-off	Voltage – 57.6V, Current – <2.5A
Charging Efficiency	> 90 %
Reverse Battery Protection	Electronically Protected – Charger Will Not Start Unless Battery Is Connected In Correct Polarity.
Soft-start	3 – 6s, from 5A to 25A
Input Supply Variation	± 10V
Charger Operating Temperature	0°C – 50°C
Humidity	5 ~ 95%
Cell Type	LFP
Communication	NON CAN (CAN optional)
IP Rating	IP20
Size	LxWxH – 300mm x 130mm x 90mm

Our Other Offerings

Solvion Series

On-Grid Solar Inverter



Range Available :
1kW | 2kW | 3kW | 4kW | 5kW | 6kW

Sparkle Series

Hybrid Solar Inverter



Range Available :
3.6kW | 6kW | 6kWIP66 | 12kW

Elegant & Flare Series

Off-Grid Solar Inverter



Range Available : 1kVA – 5kVA

Servlith Series

Energy Storage Systems



Range Available : 2.5kW | 100kW

Solar Tubular

Batteries



Range Available : 40Ah – 250Ah

Sunfarm Series

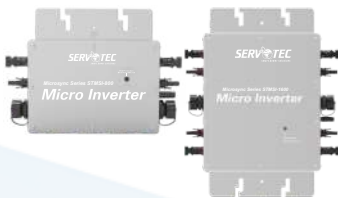
VFD-solar Pump Controller



Range Available
Single Phase – 2.2kW | 4.0kW
Three Phase – 2.2kW | 4.0kW | 5.5kW
7.5kW | 11kW | 15kW

Microsync Series

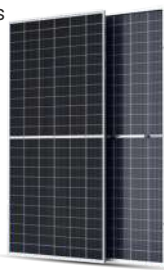
Solar Micro Inverter



Range Available : 800 W | 1600 W

Solar Panels

TOPCon Series



Range Available : 670Wp – 700Wp

Air & Oil Cooled

Servo Stabilizer

Air Cooled
Servo Stabilizer

Oil Cooled
Servo Stabilizer



Rating : 2 kva to 2000 kva

AC & DC EV Chargers



AC Range: 3.3kW to 22kW | DC Range: 30kW to 360kW

विकास की ओर नई उड़ान..

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

