

**3 Wheeler**

**E-Mobility**

**Solutions** 



## About Servotech Renewable

Servotech Renewable Power System Ltd. (NSE: SERVOTECH) is India's leading manufacturer of advanced clean energy solutions, specializing in solar Solutions, BESS and EV charging solutions. With a robust pan-India presence, agile manufacturing, and strong R&D capabilities, Servotech is driving India's transition toward a sustainable, energy-independent, and technologically empowered future. Through continuous innovation, strategic collaborations, and large-scale deployments, the company delivers reliable, high-performance solutions that support the nation's clean energy goals. Servotech's comprehensive portfolio spanning solar panels, inverters, Lithium batteries, and EV chargers reflects its commitment to engineering excellence and environmental stewardship. By aligning business growth with global sustainability standards, Servotech stands as a catalyst in shaping India's green energy transformation and powering a cleaner tomorrow.



# 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

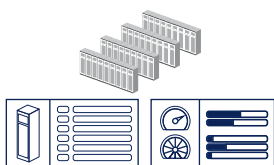
Compact, lightweight design improves vehicle balance and efficiency for better performance without any unnecessary load.



### 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

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

# 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.



- |  |  |   |   |
|--|--|---|---|
| <ul style="list-style-type: none"> <li>■ Stable Charging even in Low Voltage</li> <li>■ Adaptive Battery Charging</li> <li>■ Universal 3-wheeler Battery Charger NON CAN.</li> </ul> | <ul style="list-style-type: none"> <li>■ Optimized for deep discharged battery</li> <li>■ Ingress protection IP20</li> <li>■ Efficient Heat Dissipation</li> </ul> | <ul style="list-style-type: none"> <li>■ Smart Fault Detection Alerts</li> <li>■ Reverse Battery Protection</li> <li>■ Original Anderson Connector</li> </ul> | <ul style="list-style-type: none"> <li>■ PFC + LLC</li> <li>■ Compact &amp; Lightweight</li> <li>■ Air-Cool Design</li> </ul> |
|--|--|---|---|



## Product Technical Specifications

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

## Our Other Offerings

### Solvion

On-Grid Solar Inverter



Range Available :  
1kW to 25kW

### Sparkle

Hybrid Solar Inverter



Range Available :  
3.6kW | 6kW | 6kW IP66 | 12kW

### Elegant & Flare

Off-Grid Solar Inverter



Range Available : 1kVA - 5kVA

### Servlith

Energy Storage Systems



Range Available : 2.5kW | 100kW

### Servbak

Solar Tubular Batteries



Range Available : 40Ah - 250Ah

### Sunfarm

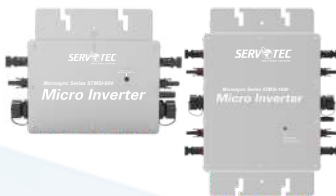
VFD-solar Pump Controller



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

### Microsync

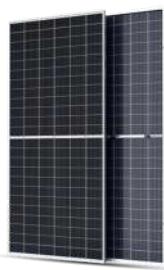
Solar Micro Inverter



Range Available : 800 W | 1600 W

### TOPCon

Solar Panels



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**

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## CONTACT US

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**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

