SERVOTEC
smart power solutions

# Driving India's EV Charging Revolution


# About

**Servotech Renewable Power System Ltd.** (Formerly known as Servotech Power Systems Ltd.) is committed to driving transformative change by fostering a green future through sustainable development and continuous innovation. Our eco-friendly products are designed to lead the charge in renewable energy and electric mobility. With over two decades of industry expertise, we have crafted high-value solutions that make a meaningful impact.

Our product portfolio includes comprehensive solar solutions such as Solar Panels, Solar Inverters, ESS, AC & DC EV Chargers, Servo Stabilizers, Solar Batteries. A standout in this lineup are the newly launched inverters which exemplify our forward-thinking approach. These advanced inverters are designed to seamlessly integrate with our high-quality solar panels, efficiently powering multiple households. Servotech remains at the forefront of Solar & EV Charging technology, consistently delivering superior performance and innovation to our customers.

## 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 inverters are expertly crafted for efficient energy conversion, ensuring maximum power output from your solar panels.

**High Efficiency:** Designed with a focus on optimal performance, Servotech inverters provide high energy conversion rates, lowering electricity costs and maximizing your solar investment.

**User-Friendly Design:** Featuring easy-to-use interfaces and simple installation, our inverters offer a seamless experience, making solar power accessible and convenient for all households.

# Our Mission

To provide the most advanced cutting-edge technological and innovative solutions for a sustainable future. To empower our skilled workforce through knowledge sharing, associations, and collaborations to help society embrace the change of energy transition.

# Our Vision

Our vision, 'Produce Green to Live Green, is to lead the global transition to net-zero emissions. We are committed to creating and introducing world-class renewable energy solutions that eliminate reliance on fossil fuels, ensuring a sustainable future for generations to come.

# Our Journey of Innovations

Founded in 2004, Servotech Renewable Power System Ltd. embarked on a mission to revolutionize the renewable energy landscape. From our initial focus on Sine wave Inverters, we have continuously expanded and innovated, developing a comprehensive suite of cutting-edge solutions that power a sustainable future.

## 2004

- Introduced leading edge Sine-Wave inverters for domestic use.

## 2005

- Leveled up by launching Digital and Sine-Wave inverters for industrial application.

## 2009

- Ventured into LED Lighting solutions for both industrial and domestic application.

## 2010

- Operationalized Solar Street lights and Solar Hybrid Inverters for mass use.

## 2014

- Transitioned into the LED Solar lighting segment for wider applicatio.

## 2019

- Pioneered the ServPort, a portable plug-n-play rooftop PV solar system.

## 2020

- Diversified into the UVC Disinfection segment dedicated to providing seamless sanitization solutions.

## 2022

- Forayed into the electric vehicle (EV) market with the commencement of EV charger manufacturing

## 2024

- Launched India's first solar-powered EV charging 'Carport'
- Expanded business globally across the UK & beyond
- Established 100% solar-powered infrastructure for micromobility in Germany
- Established a new Subsidiary, Servotech Sports and Entertainment Pvt. Ltd.
- Joined the Bengal Pro T20 League as Franchise Team Owner

## 2021

- Launched Rebreath, offering medical grade Oxygen Concentrators and its spare parts.
- Made it to the Main Board (Capital Market Segment) of NSE.

## 2023

- Established subsidiary Servotech EV Infra Pvt. Ltd.
- Established subsidiary Techbec Green Energy Pvt. Ltd.
- Filed 4 patents for Energy Management and EV Charger Technology
- Collaborated with IIT Roorkee to develop rectifier units and onboard chargers
- Implemented SAP S4 HANA Grow

## 2025

- Appointed Errol Musk as our Global Advisory Board Member
- Acquired 27% stake in Rhine Solar Ltd. to officially enter the solar panel manufacturing Business
- Secured a patent for our proprietary innovation,'System and Method for Peak Shaving
- Signed an agreement with Watt & Well to Develop & Manufacture EV Charger Components in India

# Our Offerings

## EV Chargers

We are a prominent player in the burgeoning electric vehicle (EV) charging infrastructure market. We designs and manufactures a diverse range of high-performance AC & DC EV chargers, catering to various charging needs and applications. From residential and commercial installations to public charging stations, Servotech offers robust and reliable solutions that accelerate the adoption of electric mobility. Our commitment to innovation and quality ensures efficient and convenient charging experiences, contributing to a sustainable and eco-friendly transportation future.

SPARK

# AC Chargers

Servotech AC EV Charger enables connectivity with the vehicle control system and to assure the vehicle's and crew's safety. Furthermore, depending on how busy the grid is, the charger informs the car of the maximum current it can draw at that time. So that the network is not overburdened, the AC charging station regulates charging based on the current capabilities of the house or charging point.

## 3.3 kW Charger

- Compatible with 2/3 wheelers
- User authentication via WiFi/GSM/OCPP1.6
- Input voltage: 230 VAC, 50Hz
- Single Phase


## 10 kW AC 001 Charger

- Supports BEVC-AC001 Specifications
- Compatible with 2/3 wheelers
- User authentication via WiFi/GSM/OCPP1.6/RFID/ Ethernet
- Input voltage: 415 VAC, 50Hz
- Three Phase


## 7.2 kW Charger

- Compatible with 4 wheelers
- User authentication through WiFi/GSM/OCPP1.6/RFID
- Input voltage: 230 VAC, 50Hz
- Single Phase


## 11 kW Charger

- Compatible with 4 wheelers
- User authentication via WiFi/GSM/OCPP1.6/RFID/ Ethernet
- Input voltage: 415 VAC, 50Hz
- Three Phase


## 22 kW Charger

- Compatible with 4 wheelers
- User authentication via WiFi/GSM/OCPP1.6/RFID/ Ethernet
- Input voltage: 415 VAC, 50Hz
- Three Phase

SQUAD

# DC Chargers

Servotech DC chargers are capable of providing DC power to the car right away. The vehicle does not need to convert DC EV-charging to AC. Because this method eliminates a stage, it can charge an electric vehicle considerably more quickly. Some of the fastest DC chargers can fully charge a vehicle in less than an hour.

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APPROVED ICAT GOVT OF INDIA

## 15kW | 20kW Charger

- Charging Gun as per CCS 2 Standard
- 1 Output for Charging Port
- Input Voltage - 3 Phase
- User Authentication - RFID / QR Code Scan / OCPP 1.6 J
- Network Connection - 4G Module / Wifi / Ethernet


## 30kW Charger

- Charging Gun as per CCS 2 Standard
- 1 Output for Charging Port
- Input Voltage - 3 Phase
- User Authentication - RFID / QR Cod Scan/ OCPP 1.6 J
- Connectivity - GSM / Ethernet / WiF


## 40 kW Charger

- Compatible with 4 wheelers
- User authentication via WiFi/GSM/OCPP1.6/RFID/ Ethernet
- Input voltage: 415 VAC, 50H
- Three Phase
  2 Output for Charging Por


## 60kW | 120kW Charger

- Charging Gun as per CCS 2 Standard.
- 2 Output for Charging Port
- Input Voltage - 3 Phase
- User Authentication - RFID / QR Code Scan / OCPP 1.6 J
- Connectivity - GSM / Ethernet WiFi


## 180kW | 240kW Charger

- Charging Gun as per CCS 2 Standard
- 2 Output for Charging Port
- Input Voltage - 3 Phase
- User Authentication - RFID / QR Cod Scan / OCPP 1.6 J
- Network Connection - 4G Module / Wifi / Ethernet


## 360kW Charger

- Charging Gun as per CCS 2 Standard.
- 2 Output for Charging Port
- Input Voltage - 3 Phase
- User Authentication- RFID / QR Code Scan / OCPP 1.6 J
- Connectivity - GSM / Ethernet / WiFi

***LIQUID COOLED TECHNOLOGY***

# EV Charger Components

## Onboard EV Charger

## AC DC Modules

## Charging Cables CCS2 & Type 2

## Control Card

## Backward Integration

# Solar-Powered EV Charging Stations with Hybrid PV Inverter & BESS

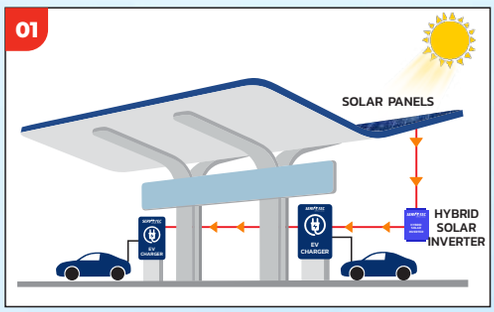
- **Versatility & Off-Grid Capability**
- **Grid Support & Stability**
- **Environmental Impact & Sustainability**
- **Low Maintenance, Reliability & Resilience**
- **Improved Charging Capacity & Energy Management**

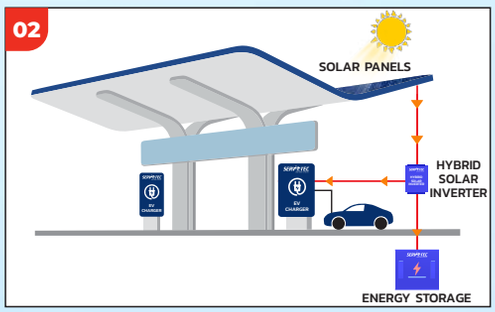

# How does a Hybrid EV Charging Station Work?

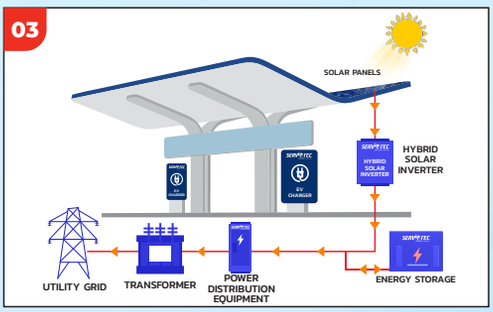
**Solar-Powered Efficiency**
Solar panels generate clean energy during the day to charge Electric Vehicles.

**Smart Energy Storage**
Excess solar energy charges the integrated battery system for use after sunset.

**Grid Interaction**
Surplus solar power is transferred to the main grid, optimizing energy utilization.

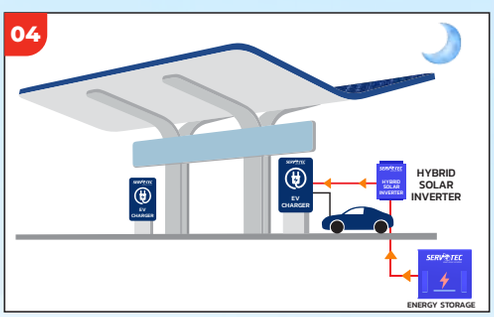


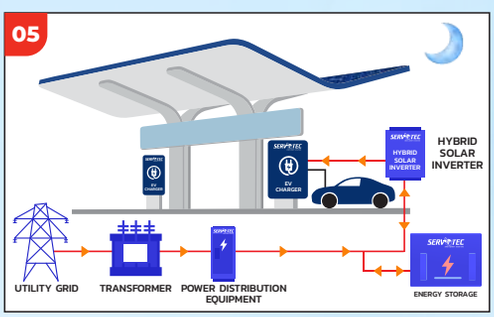




**Night time Continuity**
Stored battery energy ensures uninterrupted EV Charging even during night time.

**Reliable Grid Backup**
If stored energy runs low, the system seamlessly draws power from the grid to maintain operations.



# Our Esteemed Partners

हिन्दुस्तान पेट्रोलियम HP

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Indian Railways

Madhya Pradesh Urja Vikas Nigam

Kempegowda INTERNATIONAL AIRPORT BENGALURU

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charzer

## And Many More...

# विकास की ओर नई उड़ान..


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