

# EPR

electrical & power review

## Also Read:

⚡ Budget 2024 Promises To Achieve Re Goals

⚡ Advanced CNC machines and IoT integration propel K-Lite to new heights

## RENEWABLE- EV CHARGING INFRA



## Servotech to tap the EV market with future-ready high-power DC chargers

**Raman Bhatia**

Founder and Managing Director- Servotech Power

In anticipation of future developments such as introducing e-buses and trucks, Servotech offers DC EV chargers with power capacities of 240 kW and 360 kW.

**G**overnments worldwide are prioritising sustainable transportation. Integrating electric vehicle (EV) infrastructure along key transportation corridors boosts the sector. Raman Bhatia shares insights into the industry with EPR Magazine.

### How will the construction of 6,000 km of EV-ready highway benefit the charging infrastructure sector in India?

The development of charging stations along the Golden Quadrilateral presents significant business opportunities, revenue generation, and job creation prospects. Every electric vehicle passing through will likely require a charge. This leads to a substantial revenue stream for charging station operators, whether state-owned or privately owned. Establishing and operating these charging stations will generate job opportunities in maintenance, operation, and customer service while stimulating growth in the EV charging industry.

Every individual involved, whether a fabricator, EV charger manufacturer, or service provider, stands to benefit from this growing sector. Overall, the integration of charging infrastructure along the Golden Quadrilateral supports the growing demand for electric vehicles and stimulates the transition to consumer-friendly EVs by creating a robust and well-connected charging infrastructure.

### How is your company planning to tap into the evolving market?

The EV charging market is huge and can be tapped at a large scale. Our workforce

works 10 times faster and more efficiently to tap all the market possibilities by actively adapting to India's evolving EV charging landscape through innovation, expansion, and strategic collaborations. Committed to sustainable transportation, we prioritise market-aligned strategies to reduce carbon emissions.

Our unwavering dedication drives us to integrate cutting-edge technologies, enhance efficiency, and anticipate future needs through R&D. Guided by data; our nationwide expansion strategically places charging stations in high-demand areas. Strategic partnerships foster synergies and accelerate robust infrastructure development. With a focus on driving the future of electric mobility in India, we strive to lead the charge towards a greener tomorrow.

### How is Servotech Power planning to mitigate the challenges and issues in the sector?

We are committed to fostering enduring relationships with our consumers, and ensuring their satisfaction remains our top priority. Our dedication extends to resolving any issues promptly, whether related to power, charger functionality, hardware, software or compatibility. As we navigate the challenges within India's EV charging infrastructure, Servotech adopts a multifaceted approach.

Our strategic initiatives encompass strategic location planning, last-mile connectivity, investment in advanced technology, high-speed charging solutions, smart infrastructure, and partnerships with governments and local authorities. Additionally, we prioritise consumer education, conduct awareness campaigns, and ensure transparency in our services. By embracing sustainability, agility, and customer-centric innovation,

Servotech aims to overcome current hurdles and pioneer a sustainable and user-friendly charging network, driving India's transition to electric mobility.

### Which innovative products or solutions does your company offer?

Our company provides AC and DC EV chargers catering to vehicle types and charging needs. While AC EV chargers may see minimal usage on highways where two or three-wheelers are less common, our range of DC chargers, spanning from 60 kW to 360 kW, is well-suited for medium-capacity cars to heavy commercial electric vehicles. In anticipation of future developments such as introducing e-buses and trucks, Servotech offers DC EV chargers with power capacities of 240 kW and 360 kW.

Additionally, our solar-powered EV charging carport utilises sunlight to charge vehicles, backed by lithium batteries for nighttime charging. The process involves solar panels converting sunlight into electricity, which is then used by bidirectional EV chargers to charge vehicles. Any excess electricity is stored in batteries and can be sent to the grid once fully charged. At night, the charged batteries act as backup, providing electricity to the charger for continued EV charging.

### How has the EV charging infra industry contributed to the renewable energy goals?

Integrating renewable energy sources into EV charging stations is crucial for achieving sustainability. These stations curb carbon emissions and bolster resilience and eco-friendliness. The EV charging infrastructure is significant with electric vehicles emitting 17-30 percent fewer greenhouse gases than petrol and diesel cars.



Now you can read this story online by scanning the QR code