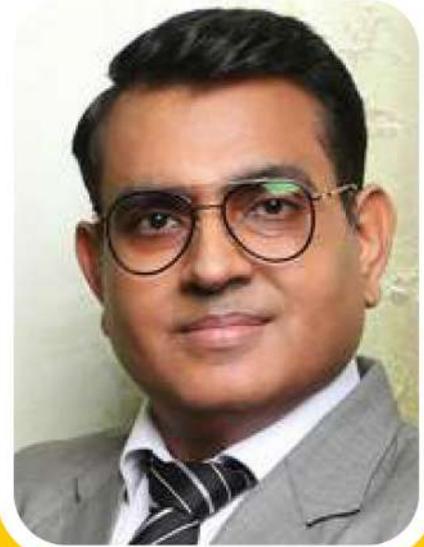


BIGGEST YEAR END STORY



Raman Bhatia

Founder & Managing Director,
Servotech Power Systems Ltd.

▲ A better,
more comprehensive
charging infrastructure
will also be necessary
as there are more EVs
on the road to enable
ease of charging.

Major Tech Trends to Shape 2023

A few recent technologies that have increased EV adoption worldwide are quick charging within a few minutes and smart charging. In the year 2023, there will be numerous product launches in the Indian EV market, and with that it will be necessary to find numerous new answers to some of the persistent problems that this segment faces. Many EV manufacturers introduced low-cost technologies in 2022; the following years will see an increase in investment in these technologies. In my view these two trends are going to stand out among all

Smart Charging

Smart chargers can connect with the vehicle and the grid, in contrast to conventional charges, to offer better costs for energy consumption. It also encourages more efficient energy use. Because drivers don't always require a full battery, several electric vehicles have been developed to take a lengthy time to fully charge. Depending on the energy requirements of the vehicles, charges can be planned to go up to only 80% once a week, extending the battery's lifespan. People can choose to charge a battery with renewable energy, reduce CO2 emissions, and lower energy prices with the help of smart charging solutions.

Charging Infrastructure

A better, more comprehensive charging infrastructure will also be necessary as there are more EVs on the road to enable ease of charging. The number of public charging stations needs to be increased so that people can quickly become used to the practice of charging their vehicles. It is necessary to prepare the common charging infrastructure in public areas to handle this traffic. Adopting contemporary technologies can encourage more people to buy electric vehicles. Most electric vehicle charging stations nowadays can accommodate fast and ultra-fast chargers, which are widely accessible on the market. By coordinating the payment methods used in charging stations, it also enhances the experience of charging away from home.