

ELECTRIC-VEHICLE SMART CHARGING

Emerging Technologies for The Renewable Energy Sector



Shared Prosperity Dignified Life



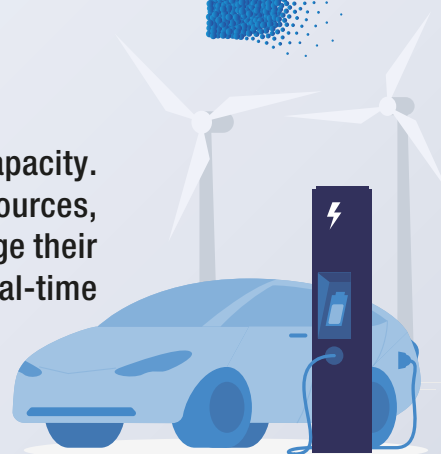
What is Smart Charging?

Smart charging means adapting the charging cycle of EVs to both the conditions of the power system and the needs of vehicle users. This facilitates the integration of EVs while meeting mobility needs.



The Role of Smart Charging in The Power Sector

Electric vehicle fleets have the capacity to create electricity storage capacity. They can function as flexible loads as well as decentralized storage resources, offering additional flexibility to power system operations. EVs might change their charging patterns to flatten peak demand, fill load valleys, and enable real-time grid balancing by altering their charging levels.



Applications of Smart Charging in The Energy Sector

