

# SMART CHARGER

## ABSTRACT:

The intelligent charging infrastructure endeavors to optimize charging efficacy through the integration of cutting-edge technologies, encompassing machine learning and Internet of Things (IoT) principles. This pioneering initiative facilitates dynamic charging protocols, ensuring real-time monitoring and adaptive charging strategies. The amalgamation of these advancements not only promotes peak battery performance but also fosters data-driven analytics for actionable insights, thereby fostering a paradigm shift towards sustainable energy consumption.