

Research of Smart EV Charging Station Using Green Power

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Abstract: *Smart Electric Vehicle (EV) Charging Station powered exclusively by solar energy. By harnessing the abundant and renewable power of the sun, this charging station aims to reduce carbon emissions and promote sustainable transportation solutions. Advanced technologies such as smart grid integration and real-time monitoring enable efficient utilization of solar energy for electrical vehicles charging. Intelligent algorithms optimize charging schedules based on solar availability, ensuring reliable and eco-friendly charging experiences for electrical vehicles owners. This innovative approach not only supports the growth of the electrical vehicles market but also contributes to the global transition towards clean and renewable energy sources*

Keywords: electrical vehicle, charging, solar energy, etc

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