

Solar charger with panel and battery tracking system

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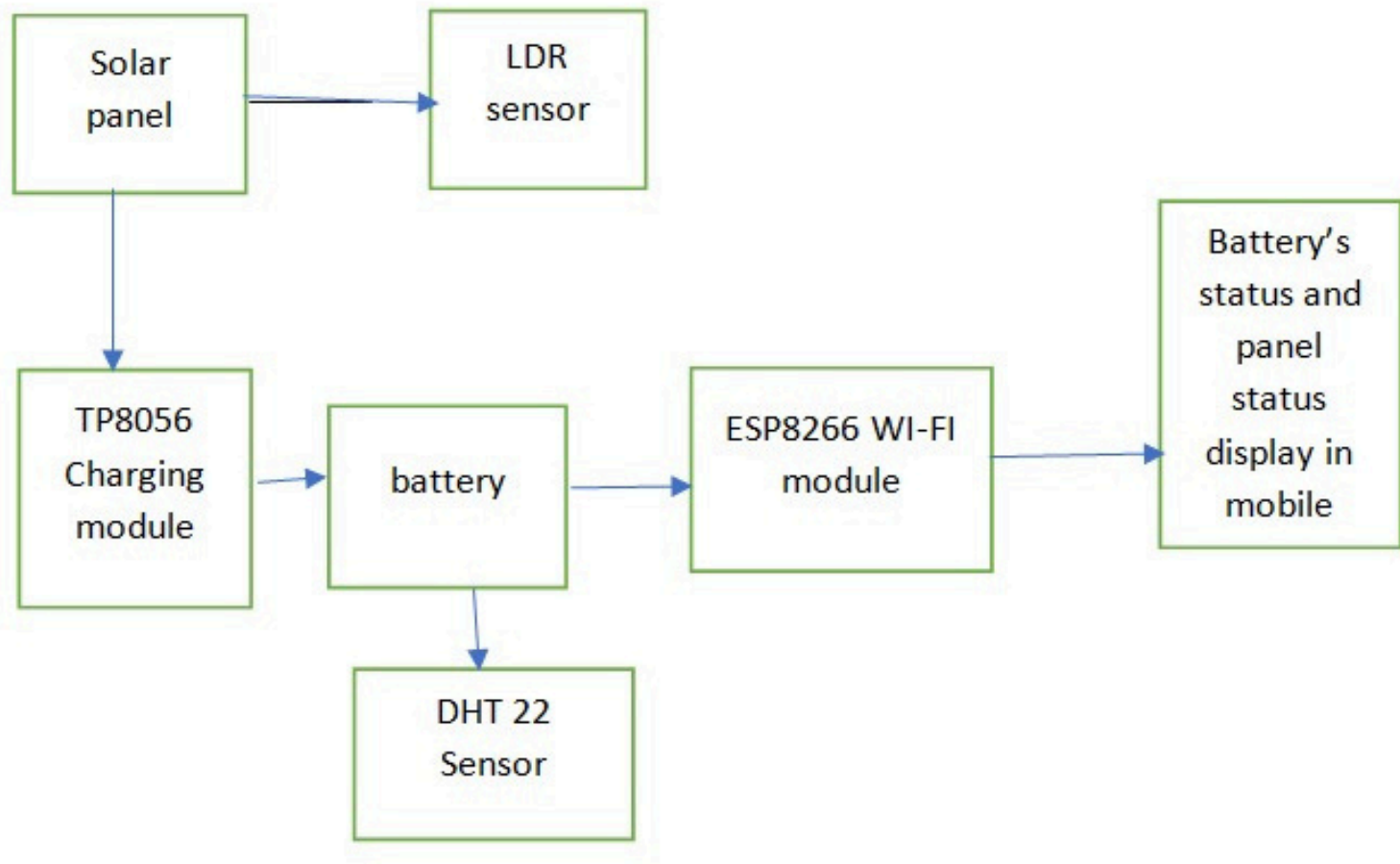
Abstract

The "Solar Charger with Panel and Battery Tracking System" project aims to develop an efficient and intelligent solar charging solution. This system integrates solar panels with a smart tracking mechanism to optimize sunlight capture throughout the day, enhancing energy conversion efficiency. It includes a battery management system to monitor and regulate charging, ensuring optimal battery health and longevity. The project incorporates real-time data analysis and wireless communication for remote monitoring and control. By leveraging renewable energy and advanced tracking technologies, this project promotes sustainable energy practices, offering a reliable and eco-friendly power solution for various applications.



Literature Survey

Block diagram





Hardware description

Result

Conclusion

Reference