

Solar Panel E-Commerce Platform

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Abstract: *The global transition towards renewable energy has significantly increased the demand for solar solutions. This project introduces Influx Solar Solutions, a user-centric e-commerce platform designed for the promotion and sale of solar panels online. Built using React.js, Node.js, Express.js, Tailwind CSS, HTML, and JavaScript, the platform offers customers an intuitive browsing experience, information about products, and a contact channel for inquiries. The website focuses on delivering a clean design, fast performance, and easy navigation. It provides a foundation for future enhancements like integrated solar calculators, online cart systems, customer portals, and admin dashboards. This research highlights the role of modern web technologies in shaping effective online marketplaces for renewable energy products. Our solar panel e-commerce platform is designed to revolutionize the way individuals and businesses adopt renewable energy solutions. With a user-friendly interface and comprehensive product offerings, our platform enables customers to browse, compare, and purchase high-quality solar panels and related products with ease.*

Keywords: Solar Panels, E-commerce Website, Renewable Energy, React.js, Online Inquiry System, Tailwind CSS, Website Development

