

Development of Solar Based E-Bicycle

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Abstract: *Electric vehicles (EVs) stand out enough to be noticed attributable to their utilization of clean energy. Huge advancement in lithium-particle battery has pushed the improvement of EVs. In any case, the test is that developing number of EVs prompts gigantic interest in electric power, which will irritate the power framework load. This prompts an investigation for option and clean wellsprings of energy to charge EVs. This venture executes solar based energy framework to raise a charging station for EV application. The charging station utilizes multi-port charging. The charging regulators are worked in light of the idea of force equilibrium, and constant current/constant voltage charging.*

Keywords: Solar PV Module, Charge Controller, Energy Storage Device, ELDC Hub Motor

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