ABSTRACT

Solar charger is a tool that provides electricity to power from the sun. Solar charger by using electronic system maximum power point tracking method that aims to trace the maximum power point power that can be issued by a PV panel. In order for this Solar charger can be monitored automatically required a user-based application interface.

In this final project the author aims to monitor the storage of light intensity from the sun as electrical energy in solar power maximum power point tracking. By using the star method, the data sent by many solar panels will be received by the database as a whole. This final project develops several things, one of which is an application-based interface so that devices can be monitored remotely. With the aim of having an efficient function in the time of sending and retrieving data in the database and value in accordance with the data value on the device. The result of this final project is that the star network method is very suitable in communication between solar panels and servers.

So that in the future this application can be used in energy industries that use many solar panels and solar panels at home and can be developed again.

Keywords: User interface, Solar charger, Database