RENEWABLE ENERGY AND DEVELOPMENT OF ECO-FRIENDLY SYSTEM USING SOLAR PV MODULE 333 W

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Abstract: This study represents the impact of electricity on the sub-station and industry areas the observed temperature profile within the solar wind indicates on the earth the existence of high heating mechanism. The cell cracking presents a serious installation for the long time. They had proved to have good impact on pv devices. They have pce considerably higher than its other counterparts. The paper an optimization model of the top cell emitter bandage and thickness of multi-junction solar cell (MJCS). these days the solar work is increasing day by day. There is much needed the solar provide by many companies in the India. In the whole world the china manufactures 60% to 70% PV module.

I. INTRODUCTION
Electrical modeling of the buffer layer for a cu2o/znosolar callusing Silvio atlas. The organ metal proves kit solar cells have shown stupendous development and have reached a power conversion efficiency (PCE) OF 22.1% however the toxicity of lead in proves kit solar cells is a major challenge toward their incorporation into photovoltaic.

Solar energy – introduction solar energy is the energy obtained by capturing heat and light from the sun. Energy converted into solar energy. Active solar energy system techniques include the use of photovoltaic system. [1]

The solar energy system increase the day by day. in the whole world the solar system need in the all whole world. the solar energy system is renewable energy source. Its initial cost is high. but it is durable for the 25 years then the solar panels can be change. Solar panels themselves usually account for about 30% of total costs. [1] It then explained the concepts of globalization and localization in the world. the is required some parts of this work. In the solar instalationhp module inverter as need kw.

There is tow uses for the power inverter one is to convert low voltage DC to the 120 volts AC needed for appliances. the other is to change batteries if connected to a utility grid or an AC Generator.[1]

II. STANDARDS AND REQUIREMENTS FOR SOLAR EQUIPMENT
This work is based upon work supported by the us department of energy suns hot. Atria power and many more companies. They provide the all service and installation of pv solar cell. The numerical analysis of solar panel electrical modeling of the buffer layer for a cu2o/znosolar. Abstract the application of zinc oxide (zno) Thin as transparent conductive oxide (TCO) Layer in the thin solar cells (TFSC).

The solar nowadays in laboratories and in industries, distribution of solar cells size could be very large, hence; for the first time is rather difficult to compare photovoltaic parameters. The zno (zinc oxide) is wide band gap semiconductor material and finds broad application as a transparent conductive oxide in electro-optical.

Table 1. Numerical Analysis of Solar

<table>
<thead>
<tr>
<th>System Size</th>
<th>Average Cost Per Watt</th>
<th>After Tax</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 KW</td>
<td>3.20</td>
<td>18,939</td>
</tr>
<tr>
<td>10KW</td>
<td>3.05</td>
<td>22,535</td>
</tr>
<tr>
<td>12KW</td>
<td>2.95</td>
<td>26,170</td>
</tr>
<tr>
<td>20KW</td>
<td>2.80</td>
<td>41,380</td>
</tr>
</tbody>
</table>

Table 2. Solar PV Module

<table>
<thead>
<tr>
<th>Inverter</th>
<th>Batteries</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABDC box</td>
<td>AC box</td>
</tr>
<tr>
<td>Solar meter</td>
<td>DC / AC cable</td>
</tr>
<tr>
<td>Cable tray</td>
<td>Aluminum structure</td>
</tr>
</tbody>
</table>
III. CONCLUSION

The paper an optimization model of the top cell emitter bandage and thickness of multi-junction solar cell (MJCS). these days the solar work is increasing day by day, there is much needed. the solar provide by many companies in the India. In the whole world the china manufactures 60% to 70% PV module.

REFERENCES


