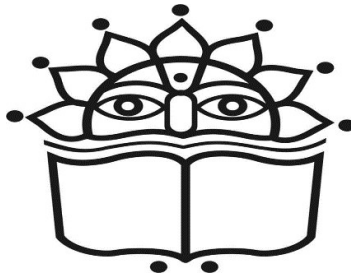


REPORT



1

380 KWP grid connected solar roof top pv project has 482 solar plates on roof of VPKBIET These solar plates are of mono-crystalling type. These type of plates are mostly used because of its higher efficiency than poly-crystalling solar plates.

Each panel has produce 300 KW power and in one panel there are 20- 22 plates this project is owned by countries green energy Pvt Limited company with CFA from government of India.

Commission planning year	2006
No . of plates	482 plates
Power cables	3-4 milimeter
Cost of plate per 10kw	40,000 to 50,000
Earthing	Earth electrode

SUB : Industrial visit to grid connected roof to PV project ,VPKBIET

GUESTS : Mr. Shivaji Raskar

Mr. Akshay Akhade

The industrial visit was held on 5th November 2022. Total 78 students were Reached to terrace of our college VPKBIET, Baramati under the guidance of Raskar sir

- **We were started at 11:30 am**

2

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Date of visit	5 th nov 2022
Time	11:00 am to 12:30 pm
Organization visited	Grid connected solar roof to vpkbiet
No. of students	78 student
Faculty accomplished	Mr .Shivaji Raskar Mr. Akshay Akhade

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Types of grids :

- 1 . ON grid
2. OFF grid
3. Hybrid system

On grid :

On-grid solar power systems generate power using a solar power system and are directly connected to the utility power grid. These systems send excess

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power generated by the solar power system to the utility grid and consumers get compensated for the extra power fed back.

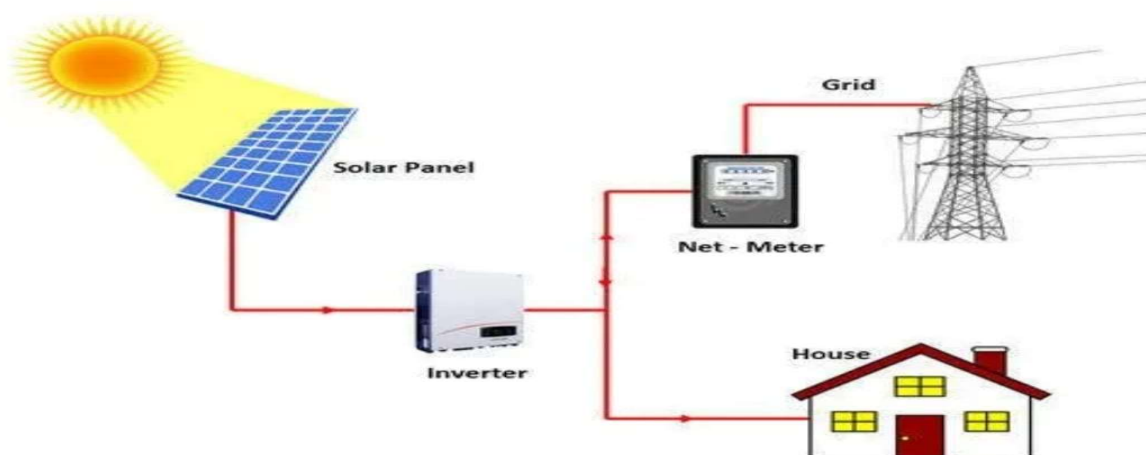
These systems work in collaboration with the power grid. In the case when there is not enough sunlight to meet your business' needs, the system runs on the power supplied by the grid. These systems are best suitable when your power consumption is high and you wish to reduce your electricity bills.

5

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Components:

1. Solar panel

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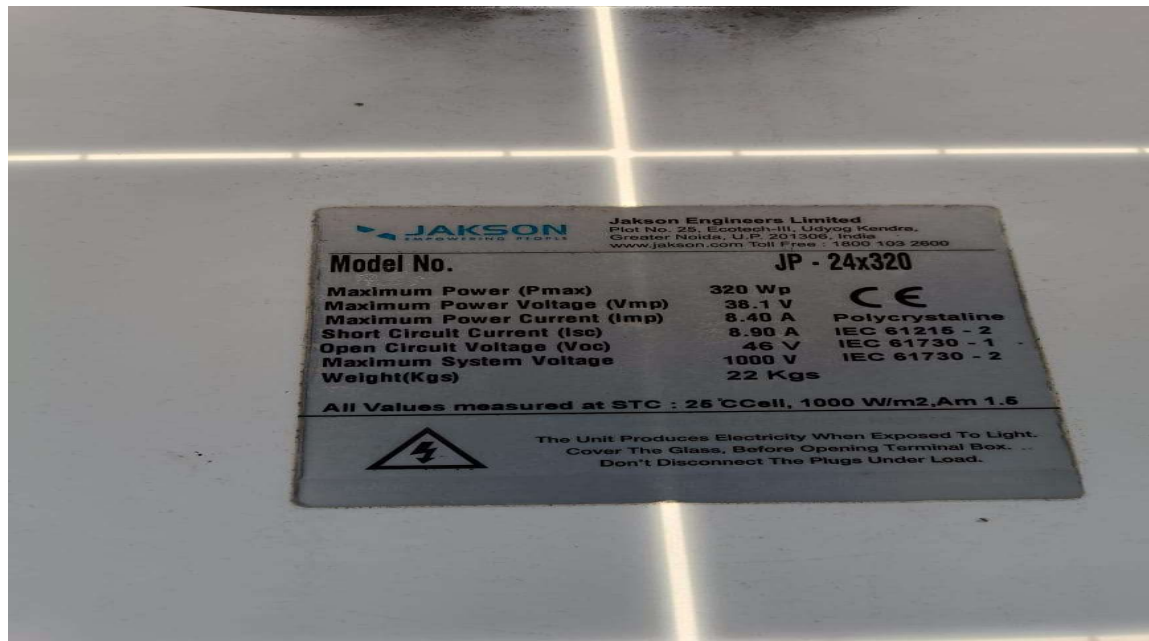
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2. Solar Inverter

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Our visit :

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Mr. S K Raskar

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