

# HOW CAN I GET A SOLAR PHOTOVOLTAIC SYSTEMS INSTALLED AT MY ROOF

**1. List of Manufacturer:** Solar PV Systems are available in the market from various approved manufacturer. You can contact to anyone of the manufacturer for purchasing solar Lighting system.

- [SPV Manufactures List](#)

**2. Types of Solar PV System**

- a) Solar Home Lighting System (SHLS)
- b) Solar Street Lighting System (SSLS)
- c) Solar Lantern (SL)
- d) Solar PV Power Pack
  - I. Grid Connected or Roof Top
  - II. Off Grid Decentralized

**3. Selection of Technology**

**PV Module: Basically PV Modules are of two type**

- Si Crystalline Module
- Thin Film Module

## **Space Requirement**

Approx. 12 meter<sup>2</sup> shadow free South facing space is required for 1 kW Solar Pv Power Plant.

**4. Approximate cost :**

Around Rs. 2.0 to 3.0 Lac/kW depend upon Battery Back up Requirement

**5. Payback period:** Depending upon the Subsidy available and types of Solar PV System used approx 10-15 years

**6. Savings**

**Units of Electricity Generate through 1 kW Solar PV Power Plant 1650 kWh/year.**

## 7. Subsidy from Central Government (MNRE)

SPV System	CFA for General Category State	CFA for Special Category States	Administrative Charge
<b><u>Solar Lanterns</u></b> (10 W module, 7 W CFL)	Nil	Rs. 2,400	Rs. 100
<b><u>Solar Home System</u></b> Model 1 (18 W Module, 1 light )	Rs.2500	Rs.4500	Rs.200
<b><u>Solar Home System</u></b> Model 2 (37 W Module, 2 lights)	Rs.4800	Rs.8660	Rs.200
<b><u>Solar Home System</u></b> Model 3 (37 W Module, 1 light, 1 fan)	Rs.4800	Rs.8660	Rs.200
<b><u>Solar Home System</u></b> Model 4 (74 W Module, 2 lights, 1 fan)	Rs.4800	Rs.8660	Rs.200
<b><u>Solar Home System</u></b> Model 5 (74 W Module, 4 lights)	Rs.4800	Rs.8660	Rs.200
<b><u>Street Lighting System</u></b> (74 W Module, 1-2 lamps)	Rs.9600	Rs.17300	-
<b><u>Stand Alone Power Plant of capacity more than 1 kWp</u></b>	Rs. 1,25,000 / kWp	Rs. 2.25,000 / kWp	Rs. 10,000
<b><u>Stand Alone Power Plants of capacity more than 10 kWp with Distribution Line</u></b>	Rs.1,50,000 /kW	Rs.2,70,000 / kW	Rs.10,000
<b><u>Solar Pumps</u></b>	Rs. 30/Wp, subject to a maximum of Rs. 50,000/- per system	Rs. 30/Wp, subject to a maximum of Rs. 50,000/- per system	Rs. 2,000

## 8. Subsidy from MNRE under JNNSM

### BOUNDARY CONDITIONS FOR SUPPORT TO OFF-GRID SOLAR PV APPLICATIONS

<b>1.</b>	<b>Individuals</b>		
A.	All applications except 1B	1 kWp	Capital Subsidy
B.	Pumps for irrigation and community drinking water	5 kWp	& Interest Subsidy
<b>2.</b>	<b>Non- Commercial entities</b>		
A.	All applications except 2B	100 kWp per site	Capital Subsidy
B.	Mini-grids for rural electrification	250 kWp per site	& Interest Subsidy
<b>3.</b>	<b>Industrial/Commercial entities</b>		
A.	All applications except 3B	100 kWp per site	Capital Subsidy
B.	Min-grid for rural electrification	250 kWp per site	Or Interest Subsidy

<b>Scale of Capital Subsidy:</b>		
Based on benchmarking annually.	Rs. 90/Wp	With battery storage
	Rs. 70/Wp	Without battery storage
<b>Scale of Interest Subsidy:</b>		
	Soft loan @ 5% p.a.	On the amount of project cost
		Less promoter's contribution
		Less capital subsidy amount