

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 meter² 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
<u>Solar Lanterns</u> (10 W module, 7 W CFL)	Nil	Rs. 2,400	Rs. 100
<u>Solar Home System</u> Model 1 (18 W Module, 1 light)	Rs.2500	Rs.4500	Rs.200
<u>Solar Home System</u> Model 2 (37 W Module, 2 lights)	Rs.4800	Rs.8660	Rs.200
<u>Solar Home System</u> Model 3 (37 W Module, 1 light, 1 fan)	Rs.4800	Rs.8660	Rs.200
<u>Solar Home System</u> Model 4 (74 W Module, 2 lights, 1 fan)	Rs.4800	Rs.8660	Rs.200
<u>Solar Home System</u> Model 5 (74 W Module, 4 lights)	Rs.4800	Rs.8660	Rs.200
<u>Street Lighting System (74 W Module, 1-2 lamps)</u>	Rs.9600	Rs.17300	-
<u>Stand Alone Power Plant of capacity more than 1 kWp</u>	Rs. 1,25,000 / kWp	Rs. 2.25,000 / kWp	Rs. 10,000
<u>Stand Alone Power Plants of capacity more than 10 kWp with Distribution Line</u>	Rs.1,50,000 /kW	Rs.2,70,000 / kW	Rs.10,000
<u>Solar Pumps</u>	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

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

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