



# IM ENERGY SOLUTIONS

Grid-Connected Rooftop Solar Systems



**Powering Your Future with Clean Energy**

Authorized MNRE Vendor • TANGEDCO Approved • TEDA Certified



**Residential Solar Solutions**



**Government Subsidies Available**



**Eco-Friendly Energy**

# Rooftop Solar System Overview

In a grid-connected rooftop solar (RTS) system, DC power from solar panels is converted to AC power using an inverter and fed to the grid. A 1 KW system requires approximately 100 sq.feet of shadow-free area and can generate 5 units of electricity on a clear sunny day.

## Government Subsidies

| Plant Capacity | Applicable Subsidy |
|----------------|--------------------|
| 1kW – 2 kW     | ₹30,000 to ₹60,000 |
| 2kW – 3 kW     | ₹60,000 to ₹78,000 |
| Above 3 kW     | ₹78,000 (Fixed)    |

## Resident Welfare Association Subsidy

| Plant Capacity    | Applicable Subsidy |
|-------------------|--------------------|
| 1 kW              | ₹18,000            |
| Max 3 KW per Flat |                    |

## Sample 2 KW System ROI

### System Cost:

₹1,40,000

### Government Subsidy:

₹60,000

### Net Investment:

₹80,000

### Bi-monthly Savings:

₹3,600

### Payback Period:

3.5 Years

### System Life:

25 Years



# Benefits & Installation Process

## Key Benefits



Reduces Air Pollution



Only 100 sq.ft space Required



Energy Independence



Reduces Electricity Bills



Low Maintenance



Increases Property Value



## 25-Year Benefits (2kW System)

### Total Savings:

₹15,00,000+

### CO<sub>2</sub> Reduction:

40+ Tons

### Equivalent Trees:

1,800+ Trees

### Energy Generated:

90,000+ Units

## ⚡ Key Specifications



### Solar Panels

Monocrystalline panels with 25-year performance warranty



### Inverter

High-efficiency string inverters with 10-year warranty



### Mounting

Durable hot-dip galvanized iron structures



### Monitoring

Real-time performance tracking via mobile app



### Safety

Integrated DC/AC isolators and surge protection



### Maintenance

Annual cleaning and system inspection support



## Workshops & Guest Lectures

Educational sessions for schools and colleges on solar energy and sustainable technologies



## About Us & Contact

### Founder - Neelan Srinivasan, M.E (Power Systems)

With over 7 years of hands-on experience in the solar industry, I am the proud proprietor of IM Energy Solutions (IMES). My journey combines technical expertise with customer-focused service to deliver exceptional solar installations. In addition to my work in solar, I also bring over 8 years of experience in teaching, which has sharpened my skills—strengths that continue to guide my professional journey.

#### Company Credentials

- Founded in 2021
- Authorized MNRE Vendor
- TANGEDCO Approved Vendor
- TEDA Certified

#### "Customer Trust is our Top Priority"

Your every rupee is valued with timely service and honest support

### Get In Touch

Ready to harness the power of the sun? Contact us today for a personalized solar solution and free site assessment!

#### Phone

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#### Why Choose IM Energy Solutions?

- |                            |                               |
|----------------------------|-------------------------------|
| ✓ 7+ Years Experience      | ✓ Government Authorized       |
| ✓ Expert Engineering Team  | ✓ Complete Project Management |
| ✓ 25-Year System Guarantee | ✓ After-Sales Support         |
| ✓ Competitive Pricing      | ✓ Timely Completion           |
| ✓ Quality Assurance        | ✓ Customer Satisfaction       |