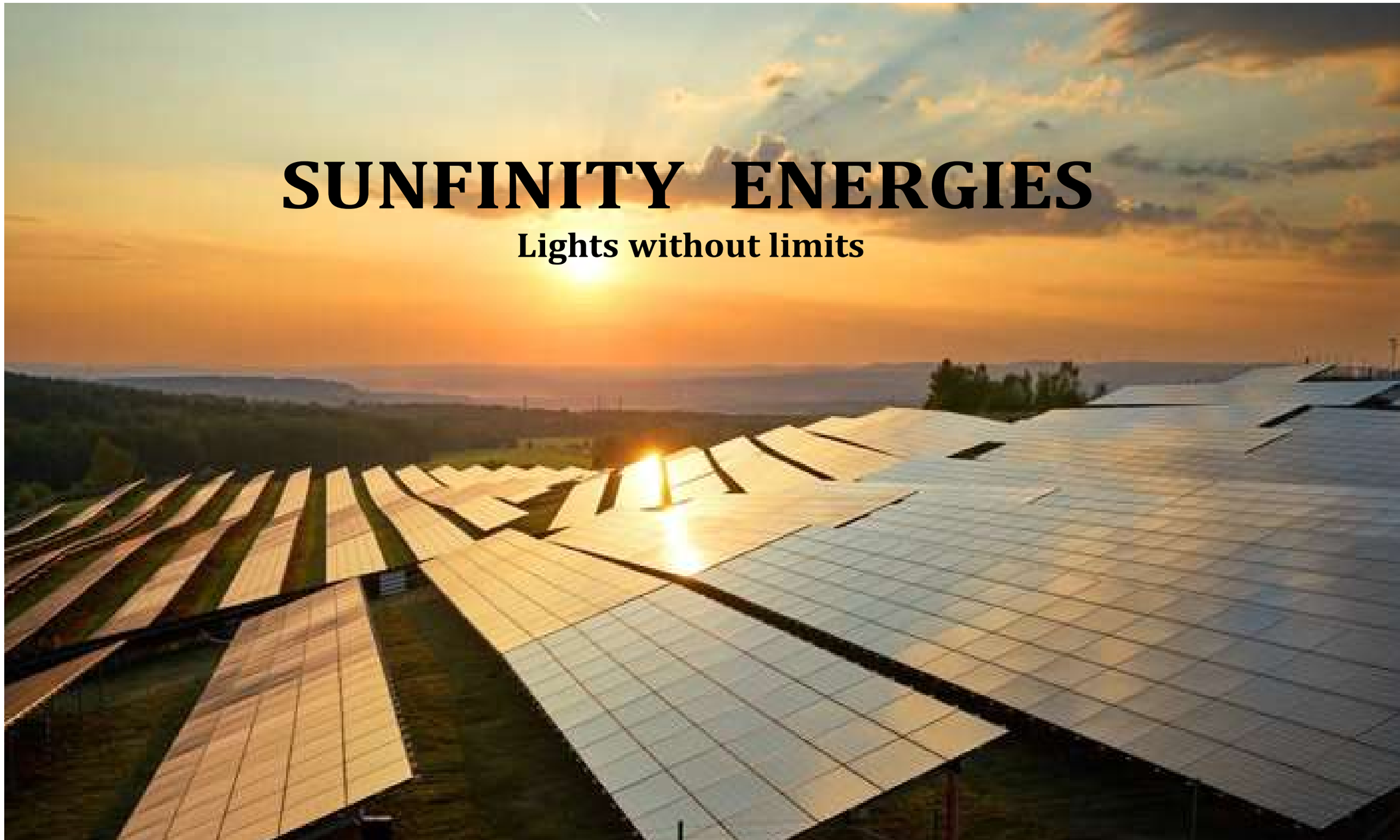

SUNFINITY ENERGIES
Lights without limits

# INTRODUCTION

**Sunfinity Energies** was established in 2019 as a mark to enter the Solar Rooftop Industry with a young and experienced team to build a sustainable future and to help people obtain their energy independence. **Sunfinity Energies** is a professionally managed renewable energy company committed to delivering sustainable and cost-effective solar power solutions. 0 Headquartered in Karnataka-Bengaluru, the company specializes in the design, engineering, procurement, and installation of high-quality solar rooftop systems for residential, commercial, and industrial clients.

**Sunfinity Energies** is powered by a team of skilled engineers, energy consultants, and project managers who bring deep expertise in solar technology and sustainable energy systems. Our team is dedicated to delivering customized solutions that align with each client's unique requirements, energy goals, and financial objectives

In addition to our technical capabilities, we place strong emphasis on quality, safety, and compliance with all regulatory standards. We source our equipment and components from reputed manufacturers to ensure durability, efficiency, and performance excellence

With a growing portfolio of successful installations, **Sunfinity Energies** continues to be a trusted name in the solar energy sector. Our vision is to play a key role in India's renewable energy revolution by transforming unused rooftop spaces into powerful assets of energy generation — empowering industries, institutions, and households to "**Power Up Their Roof**" and embrace a sustainable future.

## Vision

To be a leading force in India's transition to clean and renewable energy by transforming every rooftop into a sustainable source of power. We envision a future where solar energy drives economic growth, environmental protection, and energy independence for all.

## Mission

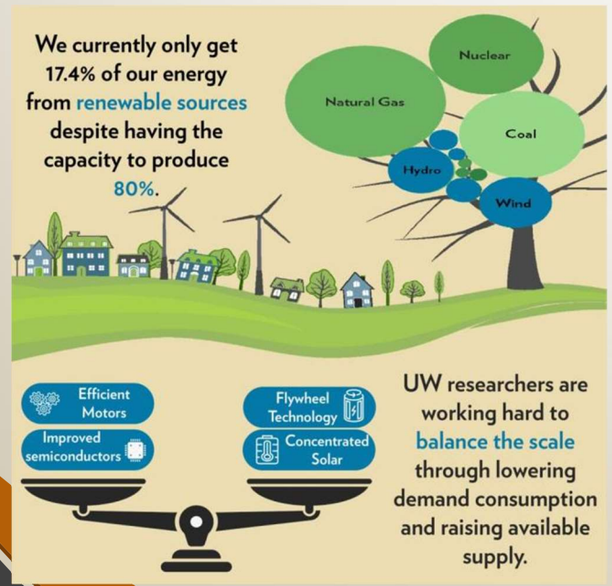
- To provide efficient, reliable, and affordable
- solar solutions tailored to the unique needs of each client.
- To promote environmental sustainability by reducing carbon emissions through renewable energy adoption.
- To empower individuals, businesses, and industries to generate th own clean energy and contribute to a greener tomorrow.



## Background:

Founded by a team of renewable energy professionals, **Sunfinity Energies** specializes in designing, installing, and maintaining solar rooftop systems for industrial clients. Leveraging decades of expertise and a commitment to innovation, we deliver turnkey solutions that reduce energy costs, minimize carbon footprint, and support long-term energy independence. Our portfolio includes multiple successful projects across various industrial sectors, establishing us as a trusted partner in the solar industry




- **Rising Energy Costs**
  - Increasing electricity tariffs and unpredictable energy prices impact operational budgets.
- **Reliability & Power Outages**
  - Dependence on grid supply can lead to production disruptions due to outages or power quality issues.
- **High Energy Consumption**
  - Industrial operations require large amounts of power, especially during peak hours, leading to higher demand charges.
- **Pressure to Reduce Carbon Emissions**
  - Stricter environmental regulations and stakeholder expectations for sustainability drive the need to lower carbon footprint.





# Solar for Industries

- ***Reduce Energy Costs***

1. Industrial power tariffs are high – Solar can reduce bills by 70-80%.
2. Sunlight is free – no recurring fuel cost.

- ***Achieve Sustainability Goals***

1. Supports ESG compliance and carbon reduction.
2. Every 100 kWp solar plant reduces ~120 tons of $CO_2$ annually.

- ***Reliable Power for Continuous Operations***

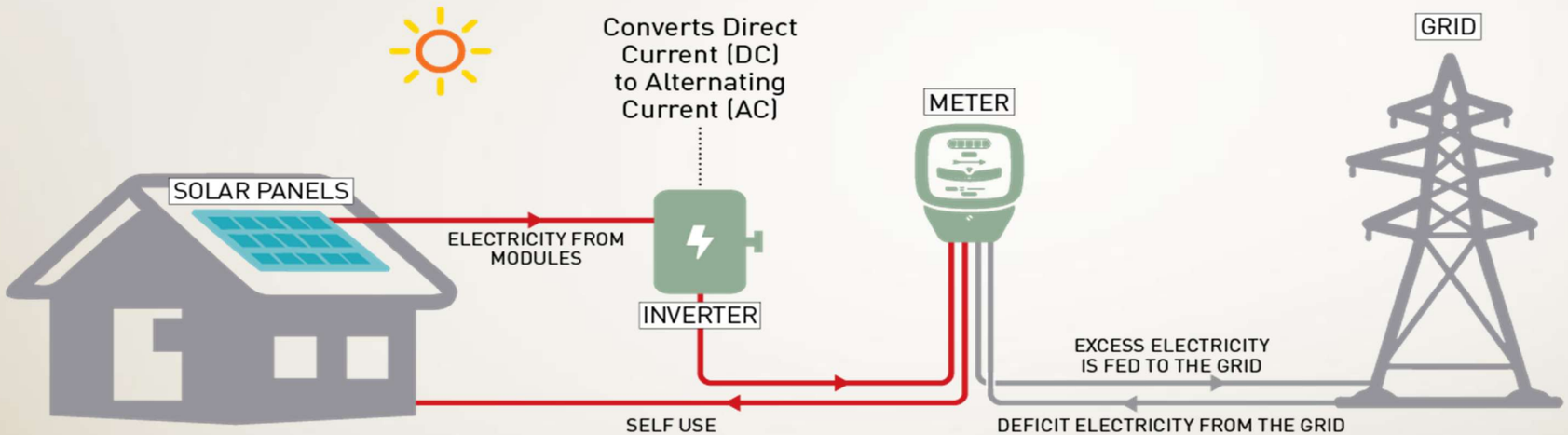
1. Provides stable, clean power with minimal fluctuations.
2. Ensures business continuity even during outages.

- ***Excellent Financial Returns***

1. Payback in 3–4 years; system life of 25+ years.
2. ROI up to 25% p.a. with tax and depreciation benefits.

# Solar Rooftop Solution Overview

## How Solar Rooftop Works :




**Sunlight hits solar panels** – Photovoltaic (PV) cells convert sunlight into DC electricity.

- **Inverter converts DC to AC** – The inverter changes DC power into usable AC power.
- **Power your building** – The AC electricity runs lights, machines, and appliances.
- **Send excess power to grid** – Surplus energy is exported through a net meter, reducing bills.
- **Optional battery storage** – Store extra power for night-time or power cuts.
- **Smart monitoring** – Real-time tracking ensures system performance and efficiency.

## 🌍 Environmental Benefits

- Reduces carbon emissions and air pollution
- Conserves natural resources
- Promotes sustainable development
- Lowers urban heat levels
- Encourages eco-friendly energy habits

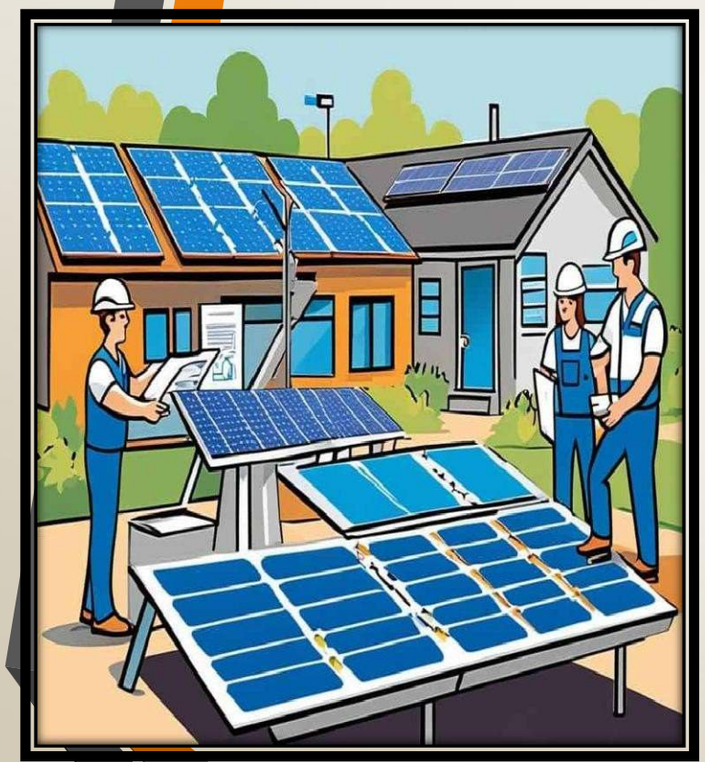
## 💰 Economic Benefits

- Lowers electricity bills
- Provides strong ROI within few years
- Eligible for government  tax benefits
- Earn through net metering
- Increases property value & reduces maintenance costs



# Our Solar Solution Approach

## 1. Site Assessment and Feasibility



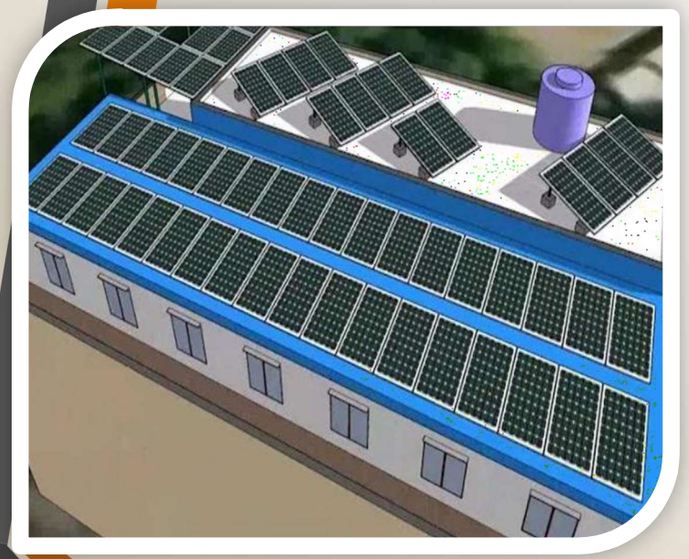
### Site Assessment

- Evaluates technical and environmental suitability of the location
- Checks roof orientation, tilt, and shading factors
- Assesses roof strength and available area
- Analyzes solar irradiance and local weather data
- Reviews electrical infrastructure and connection points

### 📈 Feasibility Study

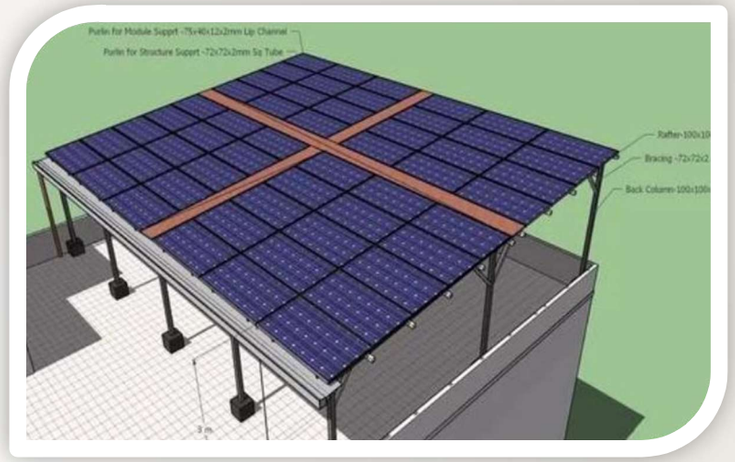
- Estimates expected solar power generation
- Designs optimal system capacity and configuration
- Analyzes investment, ROI, and payback period
- Reviews government policies and approvals
- Assesses potential project risks and constraints

# 2. System Design and Engineering :



## ⚙ System Design

- Plans and configures all system components for optimal efficiency
- Analyzes load and energy requirements
- Determines required solar capacity (kWp)
- Selects modules, inverters, and mounting structures
- Optimizes panel orientation, tilt, and layout
- Designs electrical connections and protections




## 📐 Engineering & Implementation Planning

- Performs structural analysis for roof or ground mounting
- Designs civil and mechanical layouts for stability
- Prepares electrical SLDs, earthing, and protection schemes
- Ensures compliance with IEC/IS and DISCOM standards
- Develops detailed drawings, BoQ, and documentation

# *3.* Procurement & Installation *:*



## Installation

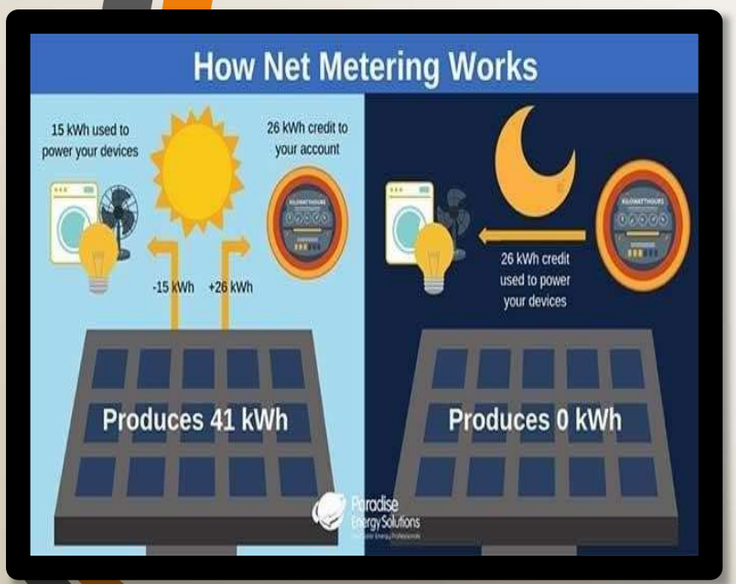
- Prepare site and roof for installation
- Install mounting structures securely as per design
- Fix solar panels at correct tilt and orientation
- Connect panels to inverters, switchgear, and grid/battery
- Perform testing, commissioning, and performance verification



## Procurement

- Select high-quality panels, inverters, and accessories
- Evaluate vendors based on certifications and past performance
- Compare quotes for competitive pricing and value
- Verify quality, warranties, and product certifications
- Plan logistics to ensure timely delivery

# 4. Net Metering & Approvals :

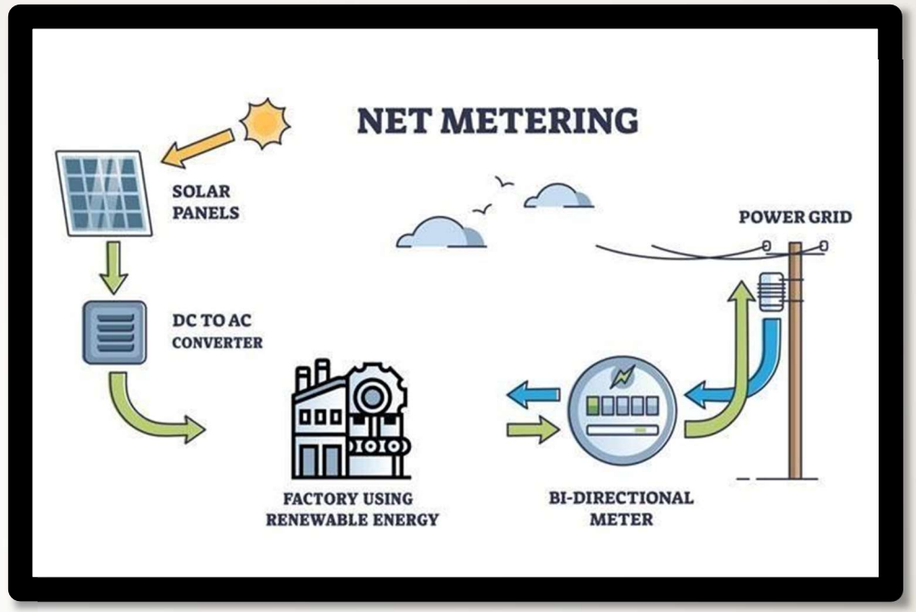



## Net Metering

Net metering allows solar rooftop owners to export excess electricity generated to the utility grid and receive credits for it.

- Powers on-site loads first
- Surplus energy exported to the grid
- Credits adjusted in monthly billing

Benefits:
- Reduces electricity bills
- Improves ROI
- Promotes efficient energy use




## Approvals & Compliance

Before commissioning, approvals ensure compliance with local electricity authority standards.

Steps:
1. Application submission to DISCOM
2. Technical feasibility approval
3. Net metering agreement
4. System inspection
5. Commissioning & synchronization

Ensures safe grid connection and regulatory compliance.

# Project Photo Gallery


Gokulam Medical College, Tvm - 500 KW


Donbosco Hospital Paravoor 60KW



Carmel Hospital, Aluva - 100 KW


Hangout Play World, Kottayam - 60 KW


Ridges Inn, Kottackal - 100 KW



Noel Ecotat, Kakkanad - 41 KW


Medical Trust Hospital, Nedumkandam - 60 KW


Njarakkal Co-op. Bank, Ernakulam - 40KW

# OUR NOTABLE PROJECT

***Nandi Toyota*** - 870 kW, Bangalore
***Sobha Palladian Apartment*** - 349 kW, Bangalore
***Brigade Metropolis Apartment*** - 120 kW, Bangalore
***Jupiter*** - 140 kW, Jigini, Bangalore
***Coco-Eco Tech*** - 106 kW, Kunigal
***Trifecta Starlight Apartment*** - 84 kW, Bangalore
***Aris Global Software*** 320 kW, Mysore
***Sumadhura Lake Breeze Apartment*** - 30 kW, Bangalore
***Taj Vivanta*** - 35 kW, Yeshwanthpur, Bangalore
***Solar Plant*** - 1.5 MW, Raichur ***Solar Plant*** - 500 kW, Mysore
***Gold Hub Mall*** - 150 kW, Gulbarga
***Sky Enterprises Factory*** - 150 kW, Mumbai
***Everrich Masala Industry*** - 150 kW, Mumbai
***Rama Power Plant*** - 500 kW, Pavagada
***Mr. Rama Reddy Residence*** - 36 kW, Harohalli, Bangalore
***Fleetwood's PG*** - 37 kW, Bangalore

# MegaWatt Projects



Raichur 1.5 MW






Gulbarga 950 kW

# Our Esteemed Clients

NANDI TOYOTA

SBI

NAYARA ENERGY

Union Bank of India
Good people to bank with

Cartel Infosystems
Elevating your IT Vision

ಗ್ರಾಮೀಣಾಭಿವೃದ್ಧಿ ಹಾಗೂ
ಪಂಚಾಯತ್ ರಾಜ್ ಇಲಾಖೆ

TRIFECTA

BRIGADE
Building Positive Experiences

HP

# Why Choose Sunfinity Energies

The company is committed to its quality and safety policies, creating immense value for its customers in terms of innovative and energy efficient engineering, on-time completion & complete after sales support

We provide turnkey solutions from concept to commissioning of Substations, Distribution, Electrification, Solar projects and Balance of Plant related projects

The company understands the growing demand of Power in local and global markets and hence ensures energy efficiency as one of the highest offerings

We have a dedicated team of professionals with

In house design & infrastructure and Technical Expertise

One-point contact responsibility

Experienced liasoning team well aware of the process and people to acquire permits for timely completion of projects across India

With significant collaborations and technical know-how support makes us the most preferred power solutions provider to our customers.

experience of more than 10+ yrs in the fields




# Thank You.

## SUNFINITY ENERGIES

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