



Sri Maruti  
ENGINEERING



नवीन एव  
नवीकरणीय ऊर्जा मंत्रालय  
MINISTRY OF  
NEW AND  
RENEWABLE ENERGY

सत्यमेव जयते

APPROVED VENDOR BY  
GOVT. OF INDIA



**TEDA**

TAMILNADU ENERGY  
DEVELOPMENT AGENCY

APPROVED VENDOR

# ABOUT US

We are here to revolutionize the way Solar Energy is perceived by Businesses as well as Individuals. Founded by experts from Power, Finance & Consumer Goods Industry, we aim to provide quality & cost efficient solar power solutions to households, industries and other commercial & Social establishments. We have critical in-house resources for optimal project design, procurement at most competitive pricing and execution expertise in committed time frame.



## OUR AREAS OF EXPERTISE



Design & Engineering



Project Management



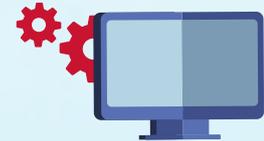
Erection & Commissioning



Supply of Materials



Operation & Maintenance



Monitoring System

# PROFILE

**Sri Maruti engineering** is a leading solar energy solution provider. We manufacture and source great variety of solar products which are supreme in quality and excellent in performance.

With an extensive range of solar products, we manufacture Solar ACDB, DCDB, AJB, SCB, Combiner Boxes, Solar structures and diverse range distribution boxes for utility-scale projects. Our design, durability and reliability make us the first choice for installations in harsh environments and remote areas. Our name is your affirmation of plan aptitude and assembling quality.

# WHO WE ARE

Role of renewable energy has been increasing in recent times with the growing concern for the country's energy security. With the limitation of the conventional resources, renewable energy has become the major driver and shall be playing vital role in every field replacing the earlier ones. Sri Maruti Engineering has been one of the pioneers in the rooftop solar regime & now an established player in Turkey Solar EPC Services.

Sri Maruti Engineering Solar possess all relevant certifications like ISO 9001 & 2015, ISO 45001:2018, ISO 14001:2015 with MSME required for any player providing green technology & environmental friendly solutions.

Being a competitive Solar EPC company in India, it extends support exclusively in Consulting-Engineering – Contracting – Commissioning Services etc.

The young and Talented Team led by experienced senior leadership which is equally supported by young and dynamic promoters.

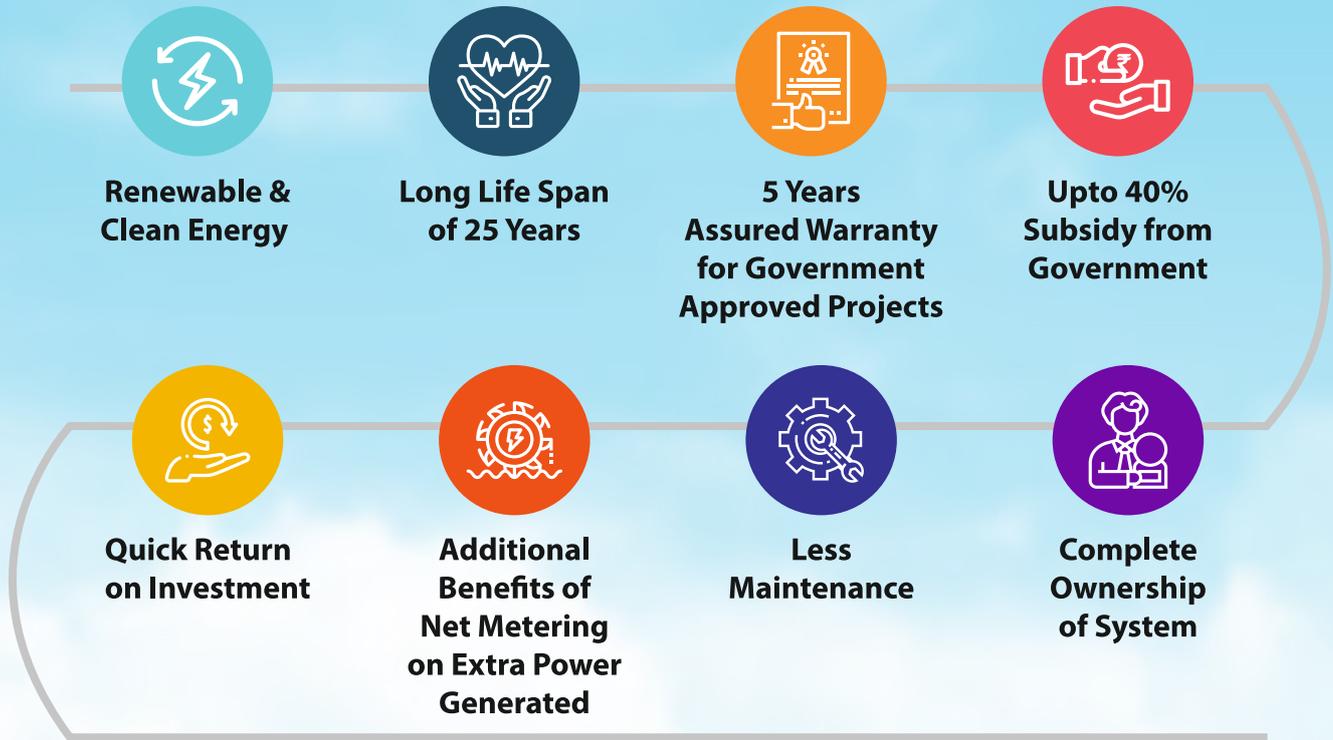
Valuing MISSION, the Company aims to provide green sustainable solution for generation to come.

**Save Energy !!!**

WE  
INTEND TO  
OFFER HUMANITY  
A GREENER WORLD  
FOR A BETTER  
TOMORROW



# BENEFITS OF SOLAR



## WHY

## SRI MARUTI ENGINEERING

End to end solution right from documentation to installation

Wide experience of 5+ years

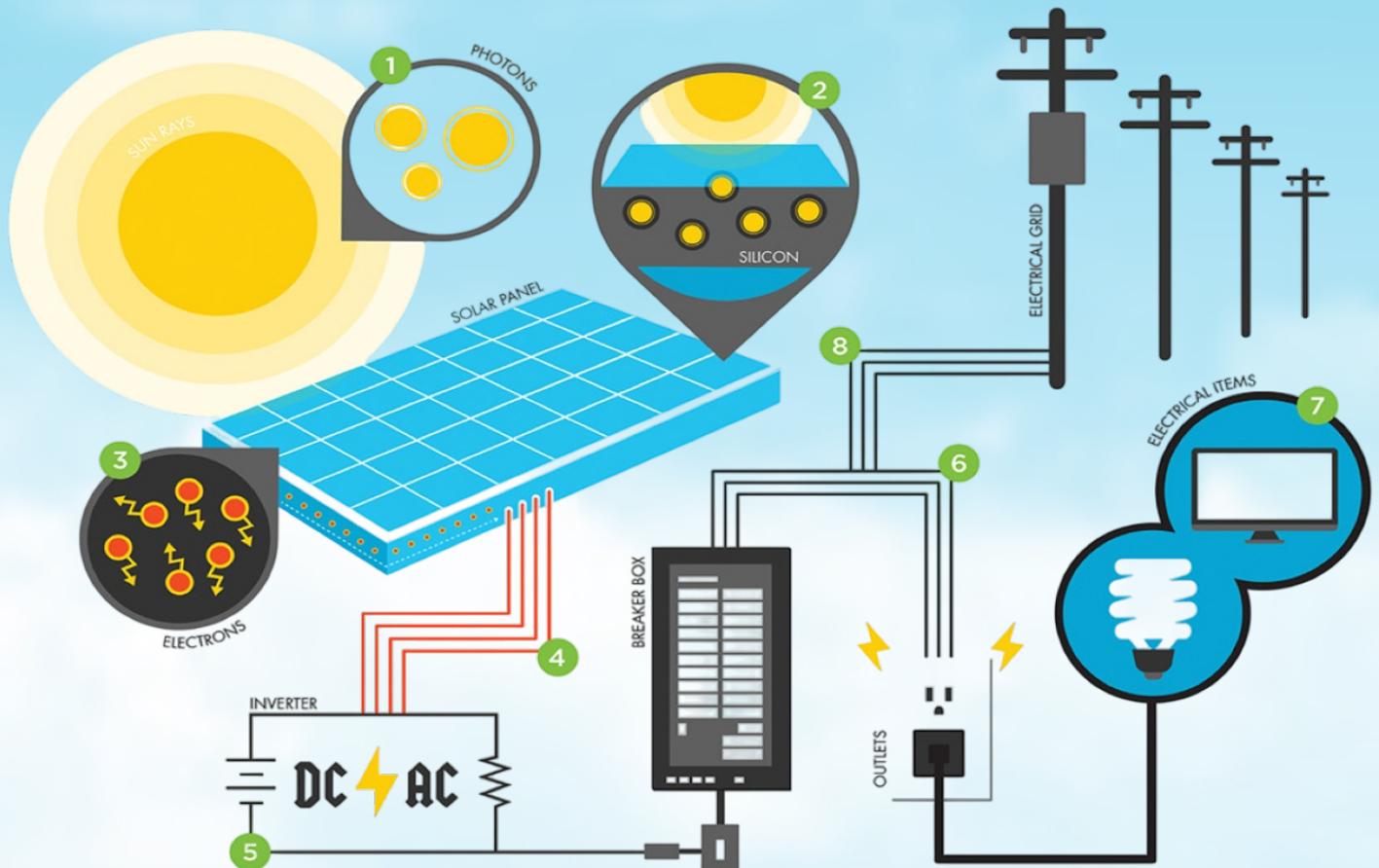
Sourcing of quality products from branded suppliers

In-house manufacturing of solar products

Highly experienced technical & liaisoning team

On site service and technical support

# How Solar Energy Works...



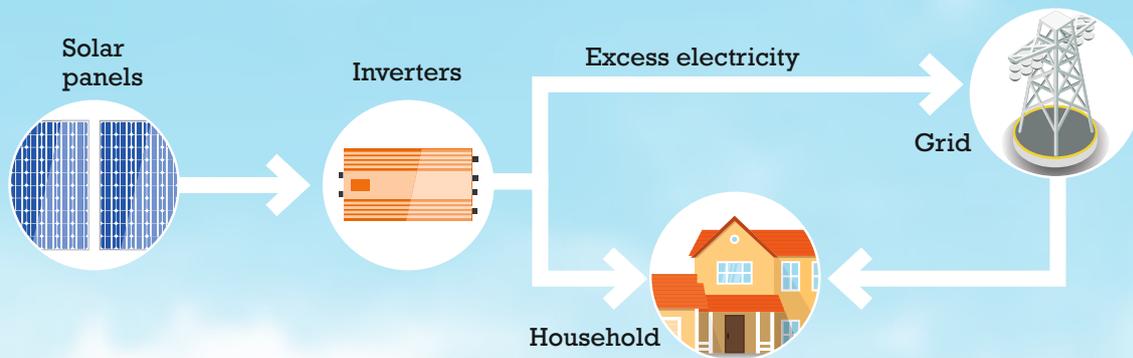
- Sunlight contains tiny particles of energy called photons
- When the sun's rays hit a solar panel, material inside the panel usually silicon - absorbs the photons
- The photons excite the electrons inside the silicon's atoms until they begin to dart around and break away, forming an electrical current
- Copper wiring inside the panel serves as a highway for the current
- This direct current (DC) travels out of the panel through a control device called an inverter, which changes it to the alternating current (AC) we use
- The electricity then passes from breaker boxes to outlets throughout the building
- Electrical items such as computers and lights can then run on this pollution-free solar energy
- Whatever isn't used goes back into the electrical grid so it can be used by

# OPERATION-BASED CLASSIFICATION

Judging by operation, a solar rooftop PV can be classified into three types

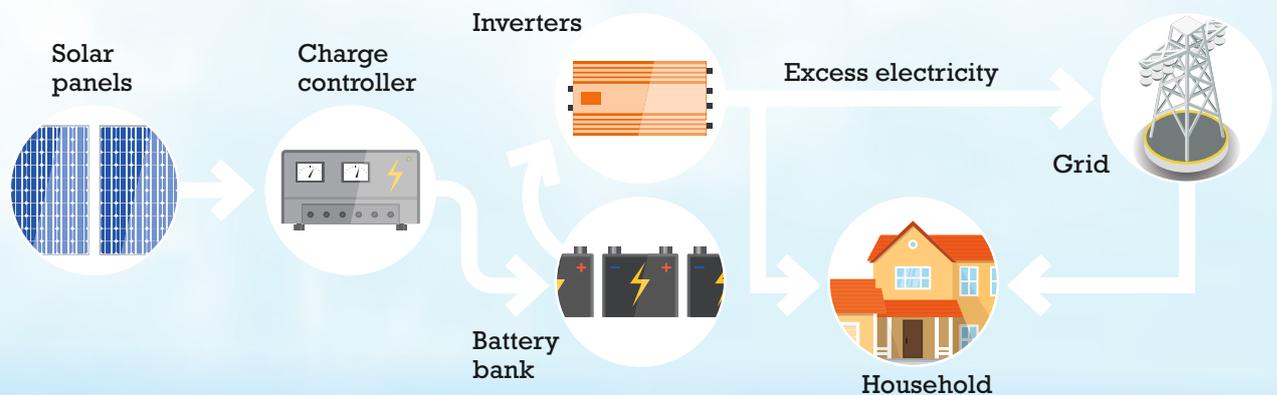
## 1- Grid-connected solar rooftop PV system

A grid-connected solar rooftop PV system is, as the name suggests, a plant connected to the grid through net or gross metering without any battery backup. Most of the state governments and the Central government are promoting this type of rooftop system.



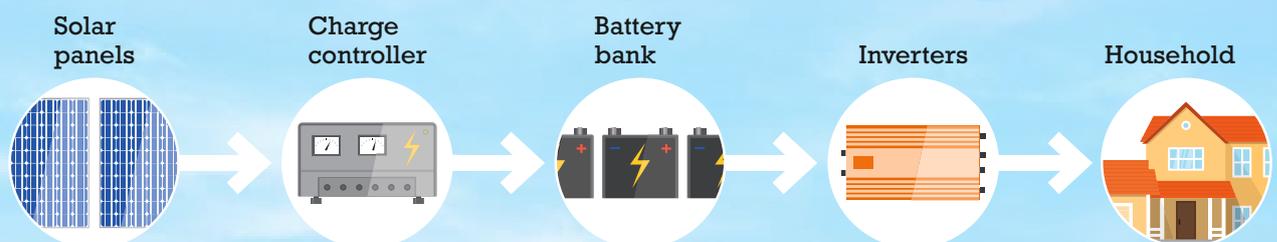
## 2- Hybrid plant

A hybrid rooftop system is similar to grid-connected solar rooftop PV, but it is installed with a battery backup. At times of power failure, the backup supplies power to the consumer, which a simple grid-connected solar rooftop system cannot do.



## 3- Off-grid plants

Off-grid plants are systems not connected to the grid. They are installed with a battery backup. They are considered to be expensive due to additional cost of battery bank. They are often installed in remote areas where the grid is yet to reach or will never reach.



# WHAT IS SOLAR ROOFTOP?



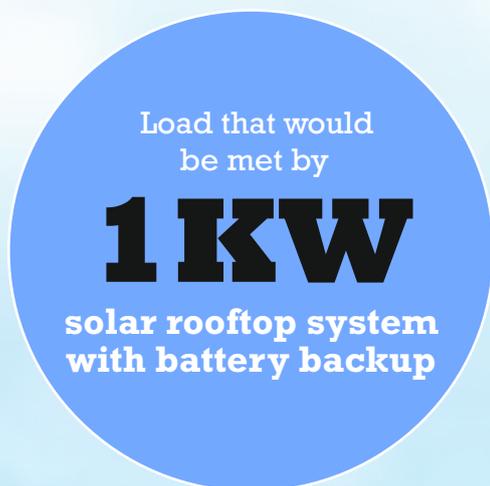
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A solar photovoltaic (PV) system mounted on a rooftop of a building is a mini-power plant that converts solar energy into electricity to meet the property's power requirements or feed into the grid. Although anyone can install a solar rooftop system, the size of the installation varies significantly depending on availability of space, amount of electricity consumed by the property, and the ability or willingness of the owner to invest the capital required.

**A 1 KW SYSTEM CAN  
GENERATE ABOUT 1,600  
UNITS OF ELECTRICITY  
IN A YEAR**



Lighting | 4 LED lights (8 W)  
**12 HOURS**



TV | 1 (100W)  
**5 HOURS**



Laptop | 1 (50W)  
**2 HOURS**



Ceiling fan  
(150W)  
**8 HOURS**



Refrigerator | 1 (150W)  
**6 HOURS**



Kitchen mixer | 1 (750W)  
**0.2 HOURS**



Iron | 1 (1,000W)  
**0.5 HOURS**

## SUBSIDY SCHEMES

Central Government Subsidy/ Central Financial Assistance (CFA) is available exclusively to residential sector grid-connected rooftop solar projects. The details of the subsidy for residential consumers are provided below:

Plant Capacity	Applicable Subsidy
1kW – 2 kW	Rs.30,000 to Rs.60,000/-
2kW – 3 kW	Rs.60,000 to Rs.78,000/-
Above 3 kW	Rs.78,000/- fixed

### PM Surya Ghar: Muft Bijli Yojana

Subsidy for Residential Households upto

**Rs. 78,000**

Total subsidy for systems larger than  
3 kW to 10 kW

Subsidy for GHS/RWA

**Rs. 18,000**

**per kW**

for common facilities



# OUR PROCESS





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ENERGY STORAGE SYSTEMS



SOLAR EPC & DEVELOPMENT



E-MOBILITY SOLUTIONS



RENEWABLE ENERGY



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