



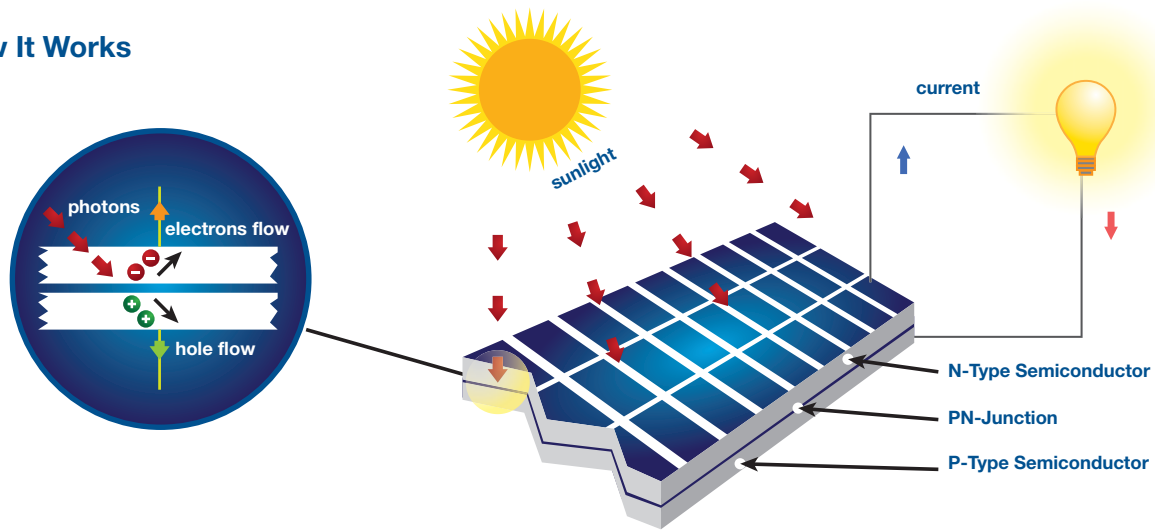
Invest today. Reap benefits for a lifetime.

Abellon *SOLAR*

How Solar Rooftop Systems Produce Electricity

The Sun is an infinite source of energy. It serves as one of the best clean energy alternatives to conventional electrical energy. By opting for a Solar Rooftop System, you can harness the benefit of solar for your facility and contribute towards making our nation energy independent. Your first step towards achieving energy independence begins with understanding the Solar Rooftop System.

How It Works



Why Solar Power?

- Simple & cost-effective to install
- Helps reduce electricity bills
- Contributes to National Clean Energy Mission (GOI Solar Goal)

Key Facts of Solar Rooftop System

1 kW Solar Rooftop System generates : 1500 units/Year

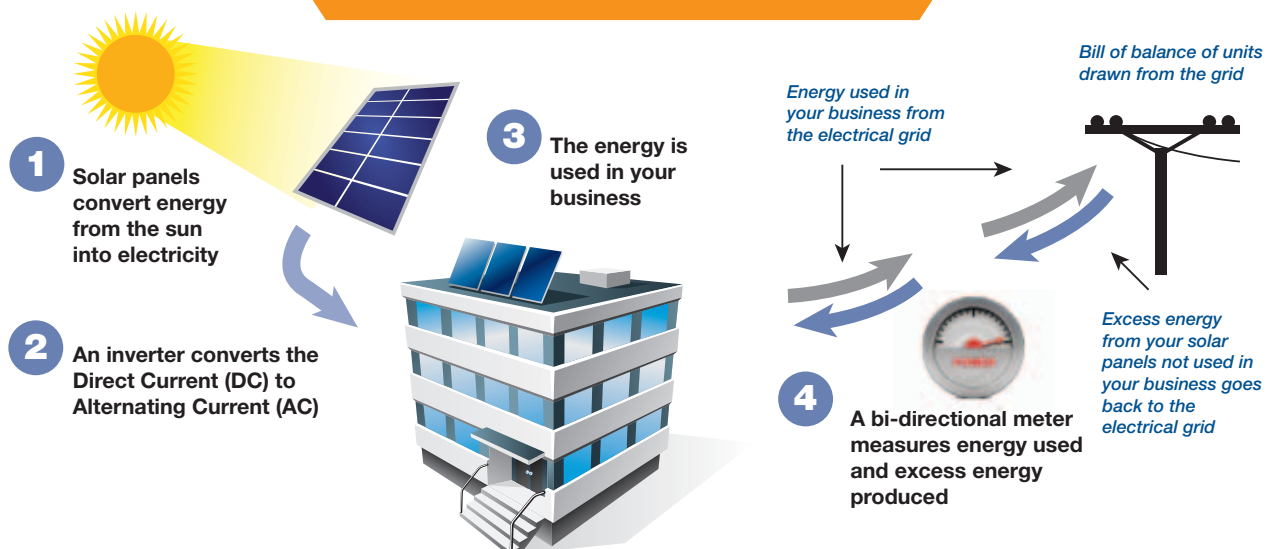
1 kW Project needs 10 sq.mt. OR 100 sq.ft

*Note: Above calculation is based on approximate values.

Understanding of Solar Power Policy & Net Metering Policy

- Should have legal ownership of roof and building.
- Surplus solar energy generated and exported after adjustment of consumption at the end of the billing cycle shall be purchased by DisCom at APPC rate.
- Banking facility available upto 1MW.

ALL ABOUT NET METERING



SAMPLE ILLUSTRATION



Units Consumed
Annually

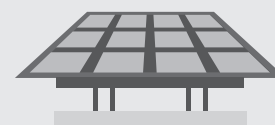
Approx.
40,00,000
units



Yearly Bill
Amount (Rs.)

200,00,000/-

**RECOMMENDED SIZE OF
SOLAR PROJECT**



1 MW



Units Generated
From Solar

Approx.
15,00,000
units



Units Consumed
From Grid

Approx.
25,00,000/-
units



YEARLY BILL SAVING
(Rs.)

1,05,75,000/-



SOLAR SYSTEM
COST (Rs.)

5,00,00,000/-



SAVINGS (Rs.)
in 25 years

Approx.
26,43,00,000/-

**Without Depreciation
Payback - 5 Years
ROI - 21.15 %**

DEPRECIATION BENEFIT

**With Depreciation
Payback - 3.8 Years
ROI - 24.01 %**

Solar Energy Benefits For Your Business



25 Years life

Solar rooftop has a life of 25 years get a hassle free energy supply over this duration



**Accelerated
Depreciation 40%**

Enjoy accelerated depreciation benefit from the first year



**Net Metering
Policy**

Under the Net Metering policy avail credit benefit on excess energy produced by your solar rooftop system



**Get rid of rising
electricity tariff
for 25yrs**

Lifespan of solar is 25 years so no worries on rising of electricity tariff



**1500 - 2000 units
generation/Year**

Fixed Type: 1500 • Single Axis Tracker: 1800
Dual Axis Tracker: 2000



**Low
Maintenance**

Solar panels have a strong built and only maintenance is washing it regularly with water...



**Contribution
to Society**

Contribute to build a solar nation

Abellon - Your Expert Partner

Abellon is a pioneer in Clean Energy having over a decade of experience of providing sustainable solutions for industries, commercial establishments, and residences across solar power, biomass based power & heat, and other forms of Clean Energy.



Building an Energy Independent India One Rooftop at a time.

Abellon SOLAR

Residential

Construction of rooftop solar power plant

Services

- Advisory service
- Planning/Site Mapping
- Project Development
- Implementation
- Maintenance Service

Customers

- Individual Bungalow owners
- Apartments (Common Area Lighting)

Commercial

Construction of rooftop solar power plant

Services

- Advisory Service
- Planning/Site Mapping
- Project Development
- Implementation
- Maintenance Service

Customers

- Public & Private Entities
- Institutions/Universities
- Hospitals/NGOs
- Hotels/Restaurants

Industrial

Construction of rooftop & ground mounted solar power plants

Services

- Power Sales & Trading
- Advisory Service
- Planning/Site Mapping
- Project Development
- Implementation
- Maintenance Service

Customers

- Industries
- Manufacturing Units
- Warehouses/Cold Storage

Why Abellon?

- Market Leader in renewable energy over a decade
- Present in solar sector since 2009
- Multiple teams of experts to meet all the client's need
- Provide on-site as well as off-site solar solution
- Third Party Power Purchase Option available under Solar Policy-2015
- Presence across India



Our Strengths

★ DOMAIN EXPERTISE

Skilled engineers and technicians having experience in handling the DC and AC side of solar power plants.

★ BEST IN CLASS PRODUCTS

Solar panels are manufactured in world class MNRE approved facilities.

★ CERTIFIED PRODUCTS

Our products are designed as per the MNRE norms. Advanced quality products are approved by renowned certifying agencies. Our products are resilient and have a minimum service life of 25 years.

★ SERVICE

Abellon provides prompt service support till the solar project life.

Customized solutions using advanced technology



SINGLE AXIS TRACKER



FIXED TYPE





DUAL AXIS TRACKER



Abellon Advantage

- ✓ Stringent procurement, production and project quality control systems & processes
- ✓ Design, installation, training & maintenance by highly skilled and experienced team
- ✓ Dedicated help line • Service team for hassle free after sales service
- ✓ Customer training and hand holding for efficient generation / troubleshooting
- ✓ Comprehensive guarantees/warranties

SPECIFICATIONS

S.No.	Item		Features
1	Solar PV module		<ul style="list-style-type: none"> • 1 panel dimensions- (LWT) 1960X 990X40mm • 1 panel generates 320W energy • Multi Crystalline PV Solar Module • 25 Year Linear output Warranty
2	Module Mounting structure		<ul style="list-style-type: none"> • Fixed Tilt (80 microns Galvanized steel, Powder coated designed for local wind speed velocity) • 5 Year Warranty
3	Inverter - Growatt.		<ul style="list-style-type: none"> • Transformerless String Inverter With MPPT & grid Interaction • 5 Year Warranty • Application support for live power generation on mobile
4.	DC / AC cable		<ul style="list-style-type: none"> • 5 Year Warranty



The time is right for CO₂ -free electricity. Govt. of India also pays feed-in remuneration tariffs for solar power and system costs are also becoming increasingly attractive

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Abellon SOLAR
 Building a Solar Nation

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