

Manufacturer of High Performance PV Modules & EPC Services



Multiple Times EL
Test for Defect
Free Modules



Highest Grade Raw
Material from
International Suppliers



Dedicated R & D Team
with Years of
Experience



Consistent Quality
and
Committed Deliveries



Automatic High
Quality Machines for
Manufacturing



In house Testing
Equipments for
Quality Checks (QC)



MAGLARE[®]

www.maglare.com

High Performance Solar PV Modules (Polycrystalline, Monocrystalline, PERC)

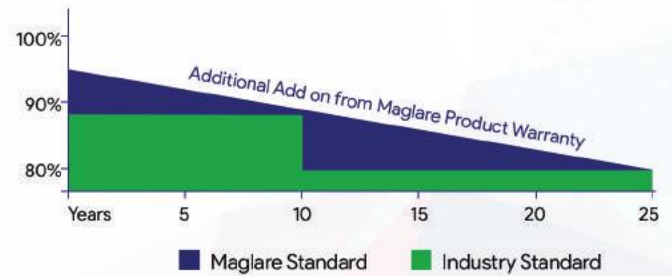


Our modules are designed with superior technology with high efficiencies in the range of 3Wp to 350Wp. These modules offer perfect solutions to convert sunlight into electricity in environment friendly approach. Widely used in on grid, off grid and utility scale solar power plants.

Features

- ✓ Positive power output tolerance.
- ✓ Excellent efficiency and long term reliability.
- ✓ Good performance under high temperature and low irradiance conditions.
- ✓ 100% EL tested before and after lamination.
- ✓ Anti Reflective Coating (ARC) light absorption and reduces surface dust
- ✓ Anodized Aluminium Frames provides stability and protection in all weather conditions.
- ✓ Manufactured using highest grade of raw materials from global supply chain leaders.
- ✓ 10 years of mechanical warranty and 25 years of performance warranty.

Maglare Performance Warranty:



MT3w to MT350w
Cells: 18, 36, 54, 60, 72



BIPV



Building Integrated Photo Voltaics

Building Integrated Photovoltaic (BIPV) is a concept in which Solar Photovoltaic panels are integrated into building design in its architecture. Glass panels of BIPV modules are used to replace glazing areas without affecting the outlook of building. BIPV systems are interfaced with utility grid or designed as off-grid systems.

Features

- ✓ Colored PV glasses.
- ✓ Highly suitable in on-grid and off-grid applications.
- ✓ Easily customizable in terms of glass thickness and color.
- ✓ Appealing aesthetics to buildings and homes.



Guaranteed
Saving



No Performance
Risk



Low Carbon
Foot Print



Hassle Free
Integration



Applications

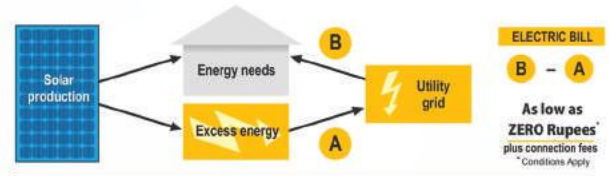
BIPV modules are easily applied in residential, commercial and industrial buildings as follows.

- ✓ Rooftop
- ✓ Facades
- ✓ Curtail wall
- ✓ Carport
- ✓ Parking lots

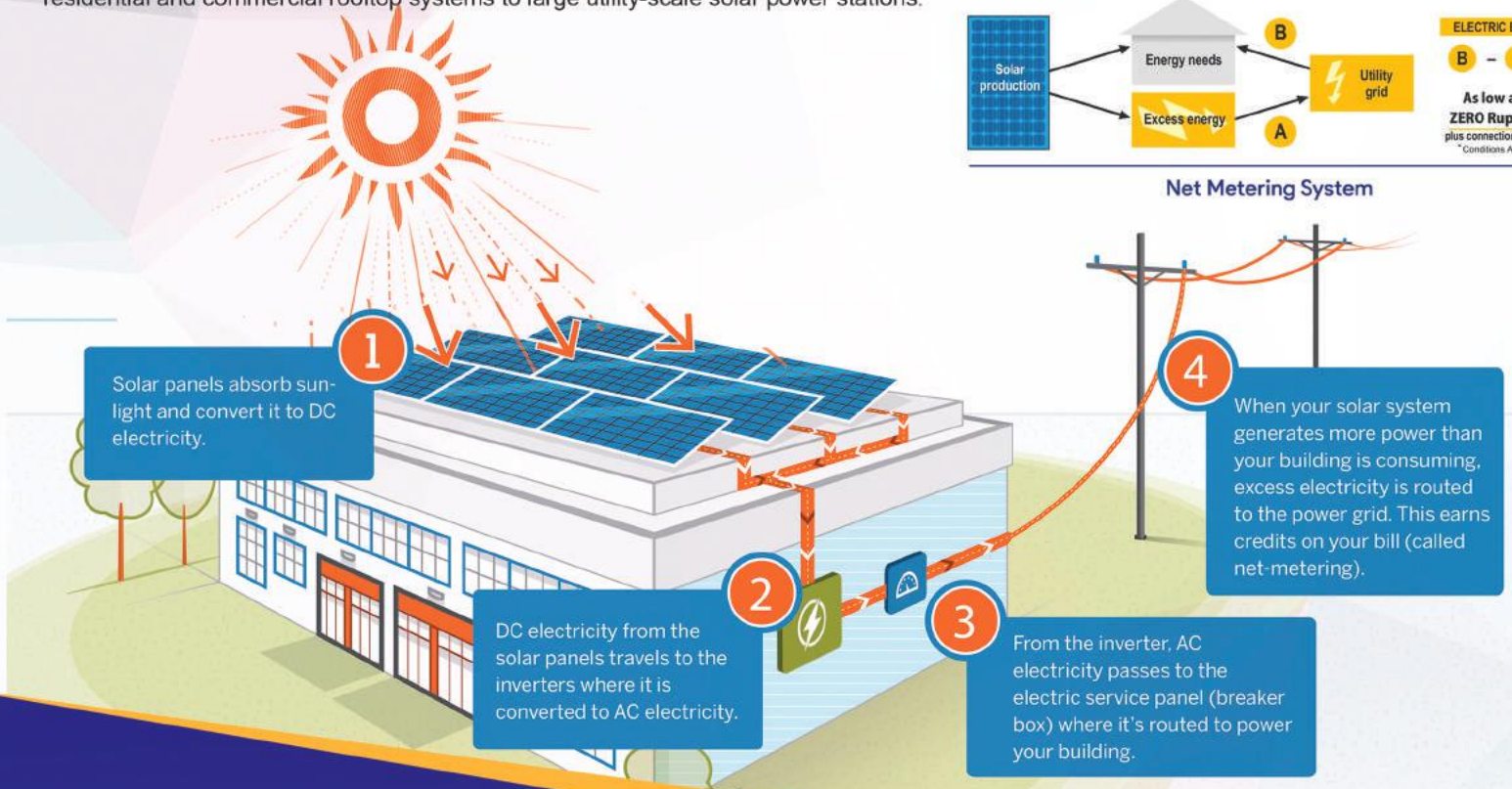


On Grid Solar System

An on-grid/ grid-connected photovoltaic power system is an electricity generating solar PV power system that is connected to the utility grid. An on-grid system consists of Solar PV Modules, one or several inverters, a power conditioning unit and grid connection equipment. They range from small residential and commercial rooftop systems to large utility-scale solar power stations.



Net Metering System



Off Grid Solar System



An off-grid system is not connected to the electricity grid and therefore requires battery storage. Off-grid system has enough power generation and battery storage to meet the home or larger site requirements even in the of winter when there is little sunlight. The off-grid systems are usually only found in areas which are far from any electricity grid.



- 1 Solar Panels Convert the Solar energy into DC electricity.
- 2 Charge Controller: Regulates the charge of solar electricity into the batteries.
- 3 Deep cycle Batteries: Stores solar electricity for later use.
- 4 Inverter: Convert DC electricity into AC electricity same quality as the utility electricity and regulated the AC charge to the batteries from the utility or generator source.
- 5 Loads: Powered by solar energy.

Solar Street Lights



Maglare Technologies Provides Solar Street Light systems with various LED and CFL Configurations. These lighting systems are self-sufficient and independent as compared to typical conventional street lighting systems.

Features

- ✓ Independent from the utility grid results in less operational cost.
- ✓ Requires less maintenance than conventional street lights.
- ✓ External wires are eliminated hence risk of electrical shocks are minimized.
- ✓ Maintenance free and easy to install as separate parts of system can be carried to remote area.
- ✓ Automatic control feature makes it convenient.
- ✓ Non-polluted source of electricity.
- ✓ Various options on power as per the pole heights.
- ✓ Batteries provide excellent support in remote with large temperature fluctuations.

Benifites



Automatic on/off



Maintenance Free



No cost of wires & transformers



Uniformity in brightness.



Battery backup for cloudy



Pole Heights as requirement



Applications

- ✓ Colony and Street lighting
- ✓ Architectural lighting
- ✓ Highway lighting
- ✓ Residential streets
- ✓ Pedestrian walkways
- ✓ Parking lots
- ✓ Docks and Piers
- ✓ Factory and Yard Lighting



Solar Panel

Solar Controller

Batthey



Solar Water Pumping System



Solar Water Pumping system is an energy efficient replacement of regular handpumps or generators. The operation of solar powered pumps is more economical mainly due to the lower operation and maintenance costs and has less environmental impact than pumps powered by an internal combustion engine (ICE). Solar pumps are useful where grid electricity is unavailable and alternative sources.

Benefits

- ✓ **No need to worry** about rising power tariffs.
- ✓ **Extremely efficient and power** is available when it requires the most during sunny days.
- ✓ One-time investment and **no running cost**.
- ✓ **Low maintenance**, environment friendly and non-polluting system.
- ✓ **Pumping system is designed** such that, it is used from small scale to large scale based upon requirements.
- ✓ **Excellent replacement** of fossil fuel (i.e. Diesel, Petrol).
- ✓ Durable, rugged and **long-lasting system**.

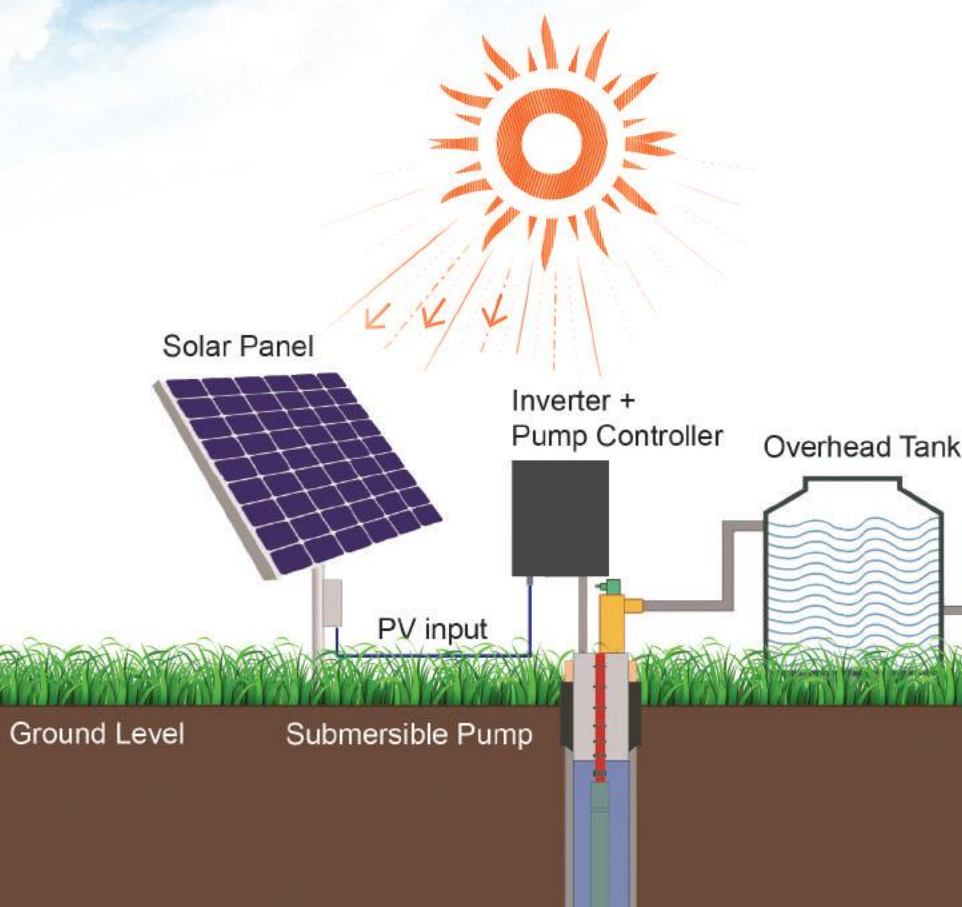
Components for Solar Pumping System

- ✓ Solar PV modules
- ✓ DC/AC Pumps & Motor set
- ✓ Controller
- ✓ Pipes and cables
- ✓ GI structure



Applications

- ✓ Agriculture water supply
- ✓ Drinking water supply
- ✓ Drip Irrigation
- ✓ Pond Management
- ✓ Aquarium
- ✓ Swimming Pool water circulation
- ✓ Livestock watering



EPC Service



Maglare Technologies Private Limited (MTPL) is a pioneer in development of green technology solutions that are environmental friendly, energy efficient & cost effective. Our solutions are capable of delivering quick returns on investments, which has helped us gain the reputation of being a pioneer in the field of solar power generation.

MTPL commissions and executes solar projects of any proportion on a turnkey basis from concept to completion and as per the custom requirements of clients. MTPL offers solutions for homes, commercial, industrial and utility scale projects

From Concept to Commissioning – All under one roof.

We believe in 3 Phase System for EPC Segment..!!!



1 Project Planning and Analysis

- ✓ Site Survey
- ✓ Primary Plant Design
- ✓ Technical Evaluation
- ✓ Component Selection
- ✓ Approvals of Designs

2 Project Implementation and Construction

- ✓ Arrangement of Structure
- ✓ PV Module mounting
- ✓ Laying the cables
- ✓ Assembling of Inverter
- ✓ Pre Commissioning Testing
- ✓ Connections with Grid
- ✓ Final Commissioning

3 Project Operation and maintenance

- ✓ Performance testing of system
- ✓ Continuous monitoring
- ✓ Monthly report generation

Segment Covered



Educational Building



Government Building



Corporate Building



Industrial Building



Hospital Building



Residential Building

Our Services

SOLAR POWER PLANT
EPC SERVICES
(Engineering, Procurement,
Construction)

INDUSTRIAL CAPTIVE
SOLAR PLANT

SOLAR POWER PACK
(Commercial &
Industrial, Domestic)

SOLAR POWER
BACK UP SYSTEM

Company Overview

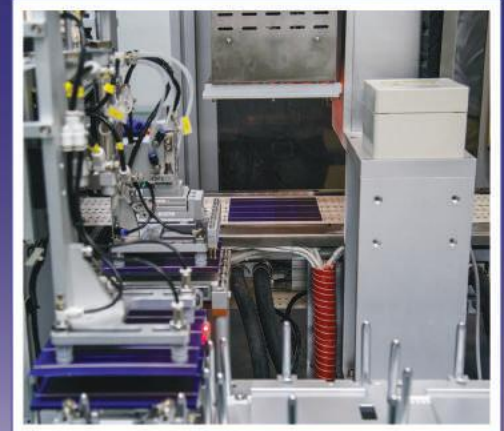
Maglare Technologies Private Limited is a globally recognized leader in providing solar energy solution specializing in Manufacturing high efficiency PV modules. With distribution of our solar products and sells its solutions and services to a diversified international utility, commercial and residential customers, we are the leading player in optimistic and reliable solar energy revolution.

Vision

Take lead and responsibility in enabling sustainable future by delivering the most cleanest, efficient and environment friendly electricity with solar energy.

Mission

With our advanced technology & engineering team we will ensure that our solutions deliver clients' need and make the foot print in the renewable sector.



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Maglare Technologies Pvt. Ltd.

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Approvals & Certifications:
IEC 61215 (Ed. 2), IEC 61730 - 1 & 2 (Ed.1), IEC 61701 (Ed. 2)