



REVEAL POWER
CORPORATION INDIA

Stop switching bit by bit

SWITCH TO SOLAR

& **STAY CALM**



Revel Power Corporation India is
trusted Manufacturer supplier of
solar installations and Ecological
energy Technology solutions

ABOUT US

Revel Power Corporation India is one of the Leading solar power companies in Kolkata. It was incorporated April 3rd, 2019 with Head office at Bankim Nagar, Kolkata - 700065

Revel Power Corporation India is a Leading first moving solar goods company with a strong global presence. Revel solar enjoys enviable market dominance across a wide solar products, Including Industrial & domestic solar on-grid power plant system, Off-grid power plant system, solar submersible pump Drinking water system, solar submersible agriculture pump system, solar LED street Lighting system, solar ALL-in-one stree Lighting system, solar water heater system, solar home Lighting system, solar high must Light system, solar (Lipo4) Lithum ferro phosphate Battery, solar tubular Battery, solar tubular pole, solar high must pole, solar Fenching, solar garden Light, solar fan, solar Lantern, solar LED tube Light,solar LED torch,solar flood Light,solar inverter system,for Domestic, commercial and industrial Application



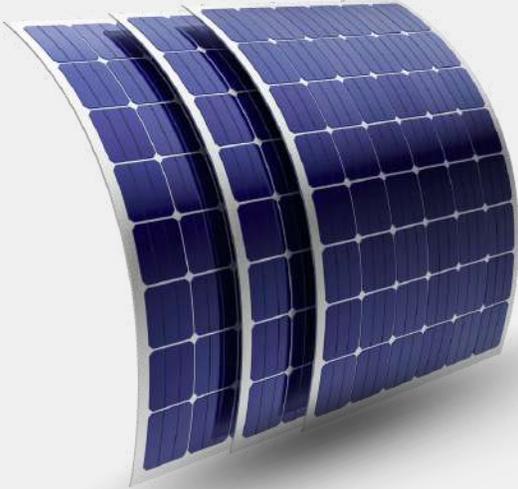
Today, Revel solar owns some of the most prestigious brand Like Revel solar, carbtree, standard and promotec it is net work constitutes of 200 professional, over 300 Dealers and 3 Branches in the country and presence in over 20 countries globally. Its three state of the art manufacturing plants in India Located at Kolkata, Uttarpradesh, and Delhi are manufacturing globally acclaimed product, synonymous with excellence and precision in the solar indus

The company pioneered the concept of exclusive brand showroom in the solar industry with Revel solar today over 300 Revel solar across the country are helping customers, both domestic and commercial, to choose from a wide variety of products of different applications. Revel solar became the first solar company to offer door step service via its infinitive Revel solar connect, thanks to the quality of products and quicker service, it has minimum customer complaints and highest customer satisfaction.

Revel solar along with its brands, have earned the distinction of being the preferred choice of solar products for discerning individuals and industrial consumers both in India Revel solar offers same quality products for both Indian and International markets. It is committed to keep powering the world with its state of the art innovations and energy-efficient solutions currently over 90% of its product offering is energy efficient and manufactured in house.

Our Revel Solaris based on the continuous renewal products and processes, creative system solutions for the customer and the brand potential of LED Lighting technology. Innovations determine our business success, and provide answers to many challenges of our time. In LED Lighting technology we are constantly seeking further solutions that save Resources and protect natural foundations of life at the sometime. It is always our goal to make the everyday Life of the individual and social Life easier, safer and more comfortable and to contribute to a better world for present and future generations.

The essence of Revel solar success Lies in the expertise of its fine team of professional, strong relationship with associates and the ability to adapt quickly and efficiently, coupled with the vision to always think ahead.



OUR CORE VALUES



Innovation : we consistently offer creative and cost competitive solar power solutions to satisfy and exceed customer needs.



Value of money : we deliver better value to the customer through continuous improvement in quality, speed and service.



Teamwork : we strive to create and sustain a passionate and happy team that delivers team performance through cross functional enrollment, engagement and alignment.



Safety : with safety focus in all our activities, we do our best to ensure that there are no accidents no harm to people, no damage to the environment, and security of personnel, properties and Information.



Corporate social Responsibility : we serve our society through promotion of solar energy products & services as well as community Initiatives.



Conduct and Integrity : we deliver what we have committed to, with honesty, fairness, reliability and up rightness.

OUR MISSION

Revel Power Corporation India mission is to contribute to sustainable future by providing cutting-edge solar products and solutions, aiming to be a Leading solar company in India and globally, while prioritizing social and environmental responsibility. They offer a wide range of solar solutions, including on-grid, Off-grid, solar Module, solar LED street Lighting system, All-in-one integrated solar street Lighting system, solar high must system, Lithium perophosphate Battery, solar submersible A/C D/C pump, solar D/C pump system, solar Inverter, solar fan, solar Hybrid air conditioner, solar water heating system, solar home lighting system, solar charge controller, solar street light pole, solar high must pole, solar module mounting structure, solar module moving structure, and solar Fencing system, and focus on delivering high-quality, energy efficient products and services.

Revel solar is activity involved in reducing carbon emissions and promoting clean energy through their solar products and project.

They are actively working and next generation Off-grid and on-grid solar products and solutions.

Revel solar offers a complete product value chain, from modules to Inverters, structures, and other components, for both contractors.

They have a wide reach with sales and service operations through numerous branches and authorized service centers across the country.

Revel solar focuses on understanding customer needs and providing customized solutions.

They are a leading Engineering, procurement, and construction (EPC) player in the solar industry, having executed various Larger-scale solar projects.

Revel solar efforts align with India's broader goal of increasing the adoption of renewable energy and transitioning to a sustainable future.





OUR VISION

Revel Power Corporation India, as a company, doesn't have a separated vision statement specifically for its solar business. Their overall vision statement focuses on being a globally recognized

Corporation know for excellence, governance, consumer delight, and fairness to all stakeholders, Including society and the environment. However Revel solar does have a sustainability vision that guides their solar energy initiatives, which includes reducing CO₂ emissions, improving environmental protection, and offering profitable solutions through renewable energy.

OVERALL REVEL SOLAR VISION

To be a globally recognized corporation know for excellence, governance, consumer delight, and fairness to all stakeholders including the society and environment in which we operate.

REVEL SOLAR SUSTAINABILITY VISION

This vision guides their solar energy efforts and includes :

- Reducing CO₂ emissions.
- Improving environmental protection.
- Improving the quality of Life.
- offering profitable solutions to the market.

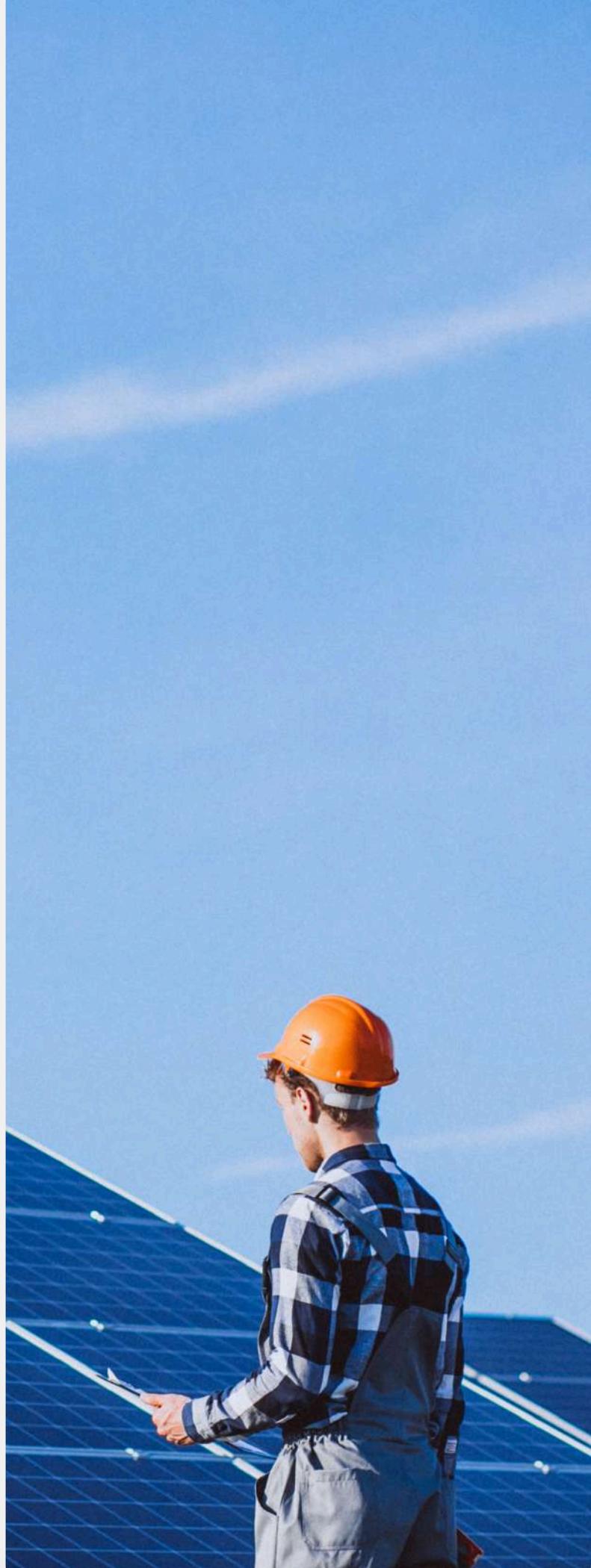


OUR AIM

Revel Power Corporation India aims to market, Distribute, Maintain & service, and create Awareness of solar products that work very well that have been manufactured.

We are committed to helping people learn more about the benefits of solar and renewable energy, sustainable life style and energy self-sufficiency that is free from environmental abuse. We deliver quality and efficient cutting-edge solar energy system and solutions for the poor and the rich alike, employing the very best of technology and excellent skills in manufacturing, sales, distribution and support services to help our clients save cost on energy consumption.

We are proud to be one of the leading manufacturers and suppliers of solar energy system in the world, providing green, sustainable, and affordable energy to the world.



MANAGEMENT TEAM

Revel Power Corporation India management team typically includes individuals in key Leadership role such as chairman & Managing Director, whole-time Director, CEO, CFO, COO, and other executives overseeing various functions like projects, corporate Finance, Legal compliance. The specific role and littles may very slightly between companies, but the overall structure generally involves a board of Directors and a management team responsible for strategic direction, operations, and financial performance.



OUR COMPANY OBJECTIVES

Revel Power Corporation India private Limited Longus encompass the following :

- 1.** Revel solar strive to produce high-efficiency solar panels that generate more electricity from the same amount of sunlight.
- 2.** Research and development efforts focus on improving solar cell efficiency, exploring new materials, and optimizing manufacturing processes.
- 3.** By providing affordable and reliable solar solutions, Revel solar aim to decrease reliance on fossil fuels and other non-renewable energy sources.
- 4.** Revel solar manufacturing companies play a crucial role in the transition to a low carbon economy by providing clean and sustainable energy solutions.

Solar Panel – Polycrystalline Solar Module

40WP Solar Panel for Home Lighting & Battery Applications

Model	Solar Cell Type	Dimensions	Wattage	Weight	Silicon Type
40WP	Polycrystalline	670×472×35 mm	40W	3.4 kg	Polycrystalline

Key Features

Compact & Efficient Design : Optimized for small-scale energy needs such as home lighting and battery charging.

Stable Power Output : Delivers up to 40W under standard test conditions with excellent reliability.

Durable Construction : Built with polycrystalline cells and sturdy framing for long-lasting use.

High Voltage Compatibility : Operates effectively with a V_{mp} of 18.1V and I_{mp} of 2.21A.

Portable & Lightweight : Weighs only 3.4 kg—easy to carry and install.

Note: This publication summarizes product specifications and may change without notice. Always refer to the installation manual before setup.



Solar Panel – Polycrystalline

Solar Module

75WP Solar Panel – Ideal for 12V System Applications

Model	Solar Cell Type	System Voltage	Wattage	Efficiency	Silicon Type
75WP	Polycrystalline	12V	75W	~17-18%	Polycrystalline

Key Features

Optimized for 12V Systems : Perfectly suited for use in RVs, cabins, boats, and small off-grid setups.

Stable Output & Performance : Consistent energy delivery with V_{mp} around 18V and I_{mp} around 4A.

High Efficiency Polycrystalline Cells : Ensures better energy conversion and reliable long-term performance.

Rugged & Reliable Design : Built for durability in both indoor and outdoor environments.

Flexible Use Cases : Compatible with multiple 12V battery systems and inverters.

Note : All specifications are subject to change without notice. Always refer to the official product manual before installation or use.



Solar Panel – Mono/Polycrystalline Solar Module

150WP Solar Panel – Powerful & Compact for 12V System Use

Model	Solar Cell Type	No. of Cells	Dimensions	Weight	System voltage
150WP	Mono/Polycrystalline	36	47 × 21.3 × 1.4 in	12 kg	12V

Key Features

High Output in Compact Size : Generates 150W under standard test conditions—ideal for medium-scale energy needs.

Compatible with 12V Systems : Designed for use in homes, solar kits, boats, and off-grid applications.

Durable & Versatile : Available in both monocrystalline and polycrystalline variants to suit your project requirements.

Strong Frame, Lightweight Build : Easy to install and transport, with a solid 12 kg build and sturdy materials.

Wide Efficiency Range : Delivers between 16% and 23% module efficiency for reliable performance.

Note: Specifications may vary slightly depending on cell type. Always refer to the official product manual before installation.



Solar Panel – Mono/Polycrystalline Solar Module

200WP Solar Panel – Reliable Power for Residential & Commercial Use

Model	Solar Cell Type	No. of Cells	Dimensions	Weight	System voltage
200WP	Mono/Polycrystalline	60 or 72	1500mm × 670mm × 35mm	~12–14 kg	On-Grid Systems (Home & Business)

Key Features

High Power Output : Designed to deliver up to 200W—ideal for on-grid solar installations in homes and businesses.

Flexible Voltage Range : V_{mp} between 20V–26V makes it compatible with various inverter and battery configurations.

Monocrystalline or Polycrystalline Options : Choose the cell type that best suits your energy needs and budget.

Efficient and Durable Design : Built for long-term performance with robust framing and premium cell material.

Industry-Standard Size & Weight : Easy to install with commonly used dimensions and moderate weight.

Note: Specifications may vary based on configuration and cell type. Refer to product manual for detailed installation and safety guidelines.



Solar Panel – Mono/Polycrystalline Solar Module

335WP Solar Panel – High-Efficiency Performance for Large-Scale Solar Installations

Model	Solar Cell Type	Efficiency	Application	Weight	Temperature Range
335WP	Polycrystalline	≥18%	Residential, Commercial & Utility	~12–14 kg	-40°C to 80°C



Key Features

High Power Output with Stable Performance : Ideal for larger systems with 335W power generation under STC.

Optimized for Grid-Tied Applications : Suitable for rooftops, solar farms, and commercial power systems.

Durable Polycrystalline Construction : Built to perform across harsh environments and varying weather conditions.

Excellent Thermal Tolerance : Operates efficiently between -40°C and +80°C.

Superior Conversion Efficiency : Ensures better ROI with over 18% module efficiency.

Note: Specifications are tested under Standard Test Conditions (STC):

- Irradiance: 1000 W/m²
- Spectrum: AM 1.5
- Cell Temperature: 25°C

Always refer to the official product manual before use.

Solar Panel – Mono/Polycrystalline Solar Module

430WP Solar Panel – Premium High-Power Solution for Modern Energy Systems

Model	Solar Cell Type	Efficiency	Frame Material	Dimensions	Weight
430WP	Mono/Polycrystalline	~19–22%	Anodized Aluminum Alloy	~2000mm × 1000mm (Approx.)	~23–25 kg

Key Features

High Power Output : Generates up to 430W of clean energy—ideal for large residential, commercial, and industrial installations.

Superior Efficiency : Converts more sunlight into electricity with 19% to 22% module efficiency.

Durable & Weatherproof : Designed to operate in extreme environments, from -40°C to +85°C.

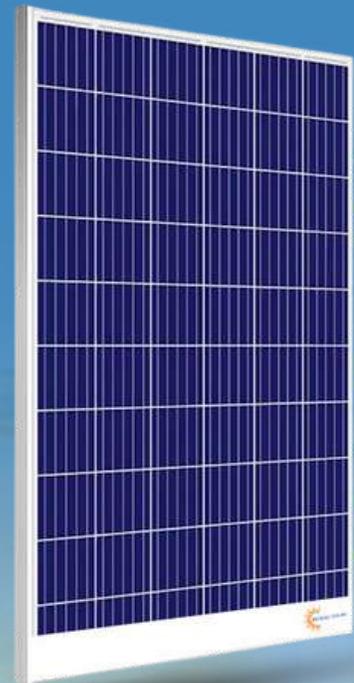
Reliable Cell Options : Available in both monocrystalline and polycrystalline variants for flexibility and performance.

Sturdy Frame Build : Supported by a corrosion-resistant anodized aluminum alloy frame for long-term durability.

Note: Performance measured under Standard Test Conditions (STC):

- Irradiance: 1000 W/m²
- Air Mass (AM): 1.5
- Cell Temperature: 25°C

Always consult the official datasheet before installation.



Solar Panel – High-Efficiency Monocrystalline Module

580WP Solar Panel – Ultra High Power Output for Large-Scale Installations

Model	Cell Type	Efficiency	System Voltage	Dimensions (mm)	Weight
580WP	Monocrystalline (N-Type TOPCon)	~20–22%+	1500V DC	2278 × 1134 × 35 mm	~28 kg (61.73 lbs)



Key Features

Ultra High Power Output : Generates 580W of power, ideal for utility-scale, commercial, and premium residential systems.

Next-Gen Cell Technology : Uses N-Type TOPCon monocrystalline cells for maximum efficiency and lower degradation.

Superior Thermal Management : Low temperature coefficient ensures reliable performance even in high-heat environments.

Heavy-Duty Design : Built for harsh weather conditions with a durable frame and larger surface area.

Maximum System Voltage of 1500V : Supports high-voltage systems for optimized wiring and efficiency.

Note: Performance is measured under Standard Test Conditions (STC):

- Irradiance: 1000 W/m²
- Spectrum: AM 1.5
- Cell Temperature: 25°C

Always refer to the official datasheet and installation guide.

Solar Modules Range: 40WP-580WP

Flexible Solar Solutions for Every Energy Need

Low Wattage Panels – 40WP

Perfect for:

- Battery charging
- Solar lanterns & small lighting systems
- Compact off-grid setups

Advantages:

- Lightweight & portable
- Cost-effective
- Easy installation

High Wattage Panels – Up to 580WP

Perfect for:

- Residential rooftop systems
- Commercial buildings
- Industrial and utility-scale solar farms

Advantages:

- High energy yield
- Greater efficiency
- Lower installation cost per watt

Why Choose Our Solar Panels?

- Range: From compact 40WP to high-performance 580WP
- Technology: Monocrystalline & Polycrystalline options
- Efficiency: Up to 22%+
- Durability: Weatherproof & long-lasting build
- Warranty: Up to 25 years of performance protection



Solar LED Street Light – 15W

Smart Outdoor Lighting Solution with Motion Sensor & Lithium Battery

Model	LED Wattage	Solar Panel	Battery	Pole Height
15W Solar Light	15W	40WP	18Ah – 12.8V LiFePO ₄	6 Meter



Key Features

Energy Efficient Lighting : 110 lumens per watt high-performance LED provides bright, clear visibility.

Integrated Smart Technology : PIR motion sensor for automatic dimming and energy savings.

High-Efficiency Solar Panel : 40WP panel ensures reliable charging throughout the day.

Lithium Ferro Phosphate Battery (LiFePO₄) : Sturdy height for ideal light distribution in outdoor areas.

Durable 6-Meter Pole : Sturdy height for ideal light distribution in outdoor areas.

Built-in Charge Controller : High-efficiency controller protects the system and maximizes battery life.

Ideal For:

- Streets & Roadways
- Pathways & Parking Lots
- Gardens & Gated Communities
- Commercial & Residential Premises

Solar LED Street Light – 18W

Advanced Outdoor Lighting with High Lumen Output & Smart Motion Sensing

Model	LED Wattage	Solar Panel	Battery	Pole Height
18W Solar Light	18W	75WP	18Ah or 24Ah – 12.8V LiFePO ₄	6 Meter

Key Features

High-Lumen LED Performance : Equipped with 120 lumens per watt LEDs for ultra-bright lighting with reduced energy use.

PIR Motion Sensor with Dimming : Intelligent motion-based dimming for extended battery life and efficient lighting.

Powerful Solar Panel : 75WP panel supports quick and efficient charging, even on cloudy days.

Advanced Lithium Ferro Phosphate Battery (LiFePO₄) : Offers extended life, deep discharge protection, and stability.

6-Meter Pole Height : Ideal elevation for uniform light distribution over larger areas.

Smart Charge Controller : Built-in high-efficiency controller regulates solar input and battery output for system safety.

Ideal For :

- Rural & Urban Street Lighting
- Residential Societies
- Industrial Campuses
- Parking Areas & Walk ways



Solar LED Street Light – 20W

Smart, High-Brightness Lighting for Streets & Outdoor Spaces

Model	LED Wattage	Solar Panel	Battery	Pole Height
20W Solar Light	20W	60–75WP	30Ah – 12.8V LiFePO ₄	6 Meter



Key Features

High-Efficiency LED : Delivers 130 lumens per watt, ensuring powerful brightness with optimal energy use.

Smart PIR Motion Sensor : Auto-dimming function conserves energy while delivering full brightness when movement is detected.

Robust Solar Panel : 60–75 watt panel ensures fast charging and reliable power throughout the day.

Powerful Battery Backup : 30Ah LiFePO₄ battery supports long lighting hours and has superior thermal and cycle life.

Durable 6-Meter Pole : Designed for perfect light distribution and long-lasting installation.

Built-in Charge Controller : Protects and optimizes battery and solar panel interaction with intelligent power management.

Ideal For :

- Street & Roadside Lighting
- Community Housing Projects
- Smart City Installations
- Parks, Gardens & Commercial Sites

Solar LED Street Light – 24W

Ultra-Bright, Energy-Saving Outdoor Lighting with Smart Motion Technology

Model	LED Wattage	Solar Panel	Battery	Pole Height
24W Solar Light	24W	100WP	24Ah – 12.8V LiFePO ₄	6 Meter

Key Features

Ultra-High Lumen Output : Equipped with 150 lumens per watt LEDs for exceptional brightness and visibility.

Smart PIR Motion Sensor : Automatically adjusts brightness based on movement—maximizes battery efficiency and performance.

High-Capacity Solar Panel : 100WP solar panel ensures fast charging and full-day performance, even in low sunlight.

Reliable Battery System : 24Ah Lithium Ferrophosphate (LiFePO₄) battery offers safety, longevity, and stable output.

Strong & Stylish Pole : 6-meter height ensures wide area coverage and optimal light spread.

Built-in Charge Controller : Smart regulation of energy flow—protects system and extends component life.

Ideal For :

- City Streets & Highways
- Housing Complexes & Gated Communities
- Industrial & Educational Campuses
- Pathways, Parks & Gardens



Solar LED Street Light – 30W

Heavy-Duty, Smart Solar Lighting with Ultra-Bright LED Output

Model	LED Wattage	Solar Panel	Battery	Pole Height
30W Solar Light	30W	120WP	30Ah – 12.8V LiFePO ₄	6 Meter



Key Features

Extreme Brightness : Integrated 800 lumens per watt LEDs for superior brightness (This may be a typo. 800 lumens/W is unusually high; typically it's 130–150 lumens/W. Please confirm if it should be 800 lumens per LED or lumens per watt.)

Smart Motion Detection : PIR motion sensor with auto dimming saves power and extends battery runtime.

Large Capacity Solar Panel : 120WP panel delivers rapid and efficient solar charging for all-weather reliability.

Lithium Ferrophosphate Battery (LiFePO₄) : Long-lasting, safe, and high-efficiency battery for day-to-night operation.

Durable Steel Pole : 6-meter height for wide-angle light distribution and consistent performance.

Built-in Solar Charge Controller : Automatically manages charging and load protection with high efficiency.

Ideal For :

- Highways & Main Roads
- Smart Cities & Infrastructure
- Commercial Compounds
- Large Residential Societies

All-in-One Solar Street Light

Integrated Solar Lighting Solution with Built-in Panel, Battery, and Controller

Key Features

All-in-One Integrated Design

Combines solar panel, LED light, LiFePO₄ battery, and charge controller into a single, compact unit—easy to install and maintain.

Ultra-Bright LED Lighting

Equipped with 1500 lumens per watt high-efficiency LEDs with a color temperature range of 5000K–6500K, providing crisp daylight illumination.

Smart Motion Sensor (PIR)

Automatically adjusts brightness based on movement—reduces energy consumption while maximizing lighting coverage.

Versatile Solar Panel Options

Uses monocrystalline or polycrystalline solar panels with power ranging from 20W to 100W+, depending on model.

Long-Life LiFePO₄ Battery

Integrated Lithium Ferro Phosphate (LiFePO₄) battery offers longer life, deep discharge protection, and high energy density (10Ah to 200Ah+).

High-Efficiency Charging System

Built-in solar charge controller ensures optimized charging and discharging for enhanced battery performance.

Weatherproof and Durable

IP65/IP66-rated housing protects against dust, rain, and harsh environmental conditions—ideal for outdoor installations.

Ideal For :

- Streets, Pathways, Parking Lots
- Parks & Public Spaces
- Villages, Smart Cities & Infrastructure Projects
- Factories & Warehouses



All-in-One Solar Street Light – 15W

Compact, Smart Lighting with Integrated Panel, Battery & Controller

Model	LED Wattage	Solar Panel	Battery	Pole Height
15W All-in-One Light	15W	40WP	18Ah – 12.8V LiFePO ₄	6 Meter

Key Features

Integrated Design : Combines LED light, solar panel, battery, and charge controller in one sleek unit.

High Brightness Output : Delivers 110 lumens per watt for clear, energy-efficient illumination.

Durable LiFePO₄ Battery : Long-life 18Ah Lithium Ferro Phosphate battery for reliable night performance.

Smart Charge Controller : Built-in, high-efficiency solar controller manages charging and discharge effectively.

Pole Compatibility : Ideal for mounting on 6-meter poles, covering pathways, streets, and compounds.

Zero Maintenance : No cabling, trenching, or external power needed—plug & light system.

Ideal For :

- Village roads & town streets
- Housing societies & parks
- Resorts, schools & parking areas
- Pathways in smart cities & rural electrification projects



All-in-One Solar Street Light – 18W

Motion-Sensing, High-Brightness Lighting with Integrated Smart Technology

Model	LED Wattage	Solar Panel	Battery	Pole Height
18W All-in-One Light	18W	60WP	18Ah – 12.8V LiFePO ₄	6 Meter



Key Features

All-in-One Design : Integrated LED, solar panel, LiFePO₄ battery, and controller in one compact unit.

Bright & Efficient Illumination : Uses 135 lumens per watt LEDs for maximum brightness and energy savings.

PIR Motion Sensor : Auto-dimming functionality detects motion to increase brightness only when needed—extending battery life.

Fast-Charging Solar Panel : 60WP monocrystalline/poly panel delivers reliable performance even in low sunlight.

Long-Life Battery : Advanced 18Ah Lithium Ferro Phosphate battery with deep cycle stability.

Maintenance-Free : Ideal for standalone solar lighting with minimal setup.

Ideal For :

- Rural & Urban Streets
- Colleges, Schools & Parks
- Resorts, Commercial Compounds
- Perimeter Walls & Walkways

All-in-One Solar Street Light – 20W

Smart Motion-Based Solar Lighting with Integrated Power System

Model	LED Wattage	Solar Panel	Battery	Pole Height
20W All-in-One Light	20W	60WP	18Ah – 12.8V LiFePO ₄	6 Meter

Key Features

All-in-One Compact Unit : Combines solar panel, LED light, LiFePO₄ battery, and controller into a single integrated housing.

Efficient Lighting Output : Delivers 130 lumens per watt, offering bright illumination with minimal power consumption.

Smart Motion Sensing : PIR sensor enables auto-dimming to optimize energy usage and extend operating time.

Quick-Charging Solar Panel : 60WP solar panel ensures full battery recharge in a day under sunlight.

Reliable Lithium Battery : 18Ah LiFePO₄ battery supports long-duration lighting and has excellent thermal and cycle performance.

No Wiring, Easy Installation : Mount directly on a 6-meter pole, suitable for streets, colonies, or outdoor perimeters.

Ideal For :

- Residential Lanes & Town Roads
- Farmhouses & Garden Lighting
- Campus Pathways & Walkways
- Perimeter Lighting for Security



All-in-One Solar Street Light – 30W

High-Power Lighting with Motion Sensor and Integrated Energy System

Model	LED Wattage	Solar Panel	Battery	Pole Height
30W All-in-One Light	30W	60WP	30Ah – 12.8V LiFePO ₄	6 Meter

Key Features

Powerful All-in-One Design : Integrated system includes LED light, solar panel, battery, and charge controller for hassle-free installation.

Brilliant Light Output : Delivers 130 lumens per watt—perfect for bright and wide-area illumination.

Smart PIR Motion Sensor : Automatically dims the light when no movement is detected to extend battery life.

Efficient Solar Panel : 60WP solar panel charges efficiently throughout the day, even in lower light conditions.

Long-Lasting Battery Backup : Equipped with 30Ah LiFePO₄ battery for extended night operation and consistent performance.

Pole Mounted at 6 Meters : Designed for standard pole height, ensuring optimal light spread and uniform coverage.

Ideal For :

- Residential Lanes & Town Roads
- Farmhouses & Garden Lighting
- Campus Pathways & Walkways
- Perimeter Lighting for Security



All-in-One Solar Street Light – 40W

Powerful Motion-Sensing Light with High-Capacity Battery & Panel

Model	LED Wattage	Solar Panel	Battery	Pole Height
40W All-in-One Light	40W	100WP	36Ah – 12.8V LiFePO ₄	6 Meter



Key Features

All-in-One Integrated Unit : Combines LED, solar panel, LiFePO₄ battery, and charge controller into a single housing for plug-and-play operation.

High Lumen Efficiency : Provides 130 lumens per watt, delivering wide and consistent brightness.

Smart Motion-Based Lighting : PIR sensor enables auto-dimming for energy conservation and longer runtime.

High-Powered Solar Panel : 100WP panel ensures fast and reliable charging for full-night operation.

Heavy-Duty Battery Storage : 36Ah Lithium Ferro Phosphate battery ensures high performance and deep discharge protection.

Standard 6-Meter Pole Installation : Ideal elevation for roads, campuses, societies, and security areas.

Ideal For :

- Main Roads & Housing Colonies
- Commercial Compounds & Smart Cities
- Industrial Corridors & Public Parks
- Rural Electrification & Highway Projects

60W Solar High-Mast Light

Ultra-Bright, Weatherproof Lighting for Large Outdoor Spaces

Model	LED Wattage	Mounting Height	Backup Time	Charging Time
60W All-in-One Light	60W	8–10 Meters (Recommnd)	12–14 Hours (Full Charge)	6–8 Hours (Full Sun)

Key Features

High-Powered LED Lighting : Ultra-bright, energy-efficient LED technology provides uniform and wide illumination—ideal for large areas.

Advanced Solar Panel : Equipped with high-efficiency Monocrystalline or Polycrystalline solar panel for fast, reliable charging.

Reliable Battery Backup : Built with a long-lasting LiFePO₄ battery, engineered for deep cycles and extended lifespan.

Smart MPPT Controller : Intelligent MPPT charge controller with Auto Dusk-to-Dawn functionality ensures hassle-free, efficient operation.

Durable Construction : Made with IP66-rated die-cast aluminum housing—weatherproof, dustproof, and built to withstand tough environments.

Low-Maintenance Installation : Designed for high-mast pole mounting, ensuring broad coverage with minimal upkeep.

Ideal For :

- Highways & Bypass Roads
- Large Commercial & Industrial Areas
- Stadiums, Yards & Parking Lots
- Railway Stations, Airports & Logistic Hubs



Lithium Ferro Phosphate Battery (LiFePO₄)

Smart Energy Storage for Solar Systems, Backup, and Off-Grid Use

Nominal Voltage	Capacities Available	IP Rating	Cycle Life
12.8V / 25.6V	10Ah, 15Ah, 20Ah, 28Ah, 30Ah, 40Ah, 80Ah, 100Ah, 120Ah, 150Ah, 200Ah	IP54	Up to 6,000 cycles @ 80% DoD



Key Features

Long Life, Deep Cycle : Up to 6,000 cycles at 80% depth of discharge—outlasting traditional lead-acid batteries by years.

High Safety & Stability : Excellent thermal and chemical stability reduces risk of fire or explosion.

Smart Battery Management System (BMS) : Built-in protection against overcharge, over-discharge, over-current, and short-circuit.

Real-Time Monitoring : Select models include LCD display for live voltage, current, and charge status.

Ideal For :

- Solar Power Systems
- Home & Office Backup
- Off-Grid Installations
- RVs & Caravans
- Telecom & Industrial Use

LEP Cell – 10Ah Battery

High-Performance Cylindrical Cell for Energy Storage & Solar Applications

Chemistry	Nominal Voltage	Geometry	Nominal Capacity
LiFePO ₄ (LEP)	3.2 Volts	Cylindrical	10Ah

Key Features

High Discharge Performance : Supports up to 3C discharge (30Ah) for demanding applications.

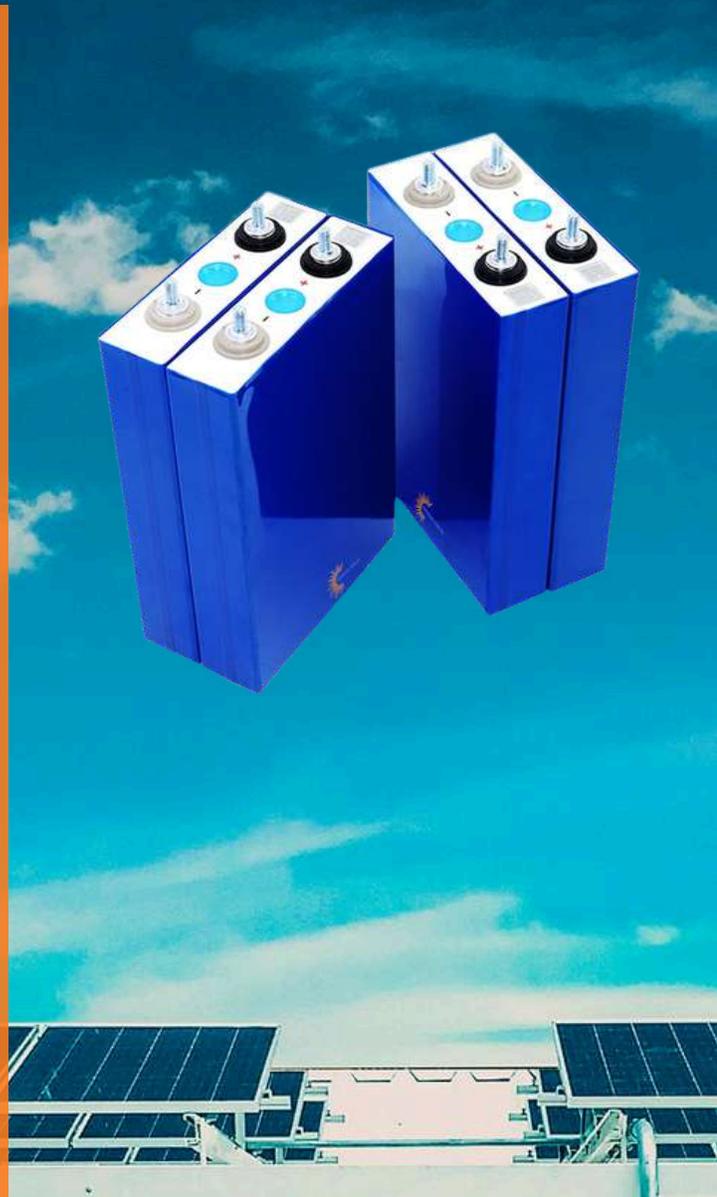
Fast Charging Capable : Can be safely charged at up to 2C (20Ah) rate.

Compact & Lightweight : Weighs only 330 grams, perfect for space-optimized battery banks.

Thermal & Chemical Stability : LEP chemistry offers enhanced safety and long-term reliability.

Ideal For :

- Solar Battery Packs
- Electric Vehicles (EV)
- Energy Storage Systems (ESS)
- DIY Power Walls
- Portable Power Solutions



LEP Cell – 15Ah Battery

Lightweight, High-Power Cylindrical Cell for Smart Energy Applications

Chemistry	Nominal Voltage	Geometry	Nominal Capacity
LiFePO ₄ (LEP)	3.2 Volts	Cylindrical	15Ah



Key Features

High Discharge Capacity : Supports up to 5C discharge —ideal for applications requiring rapid energy draw.

Safe Charging : Recommended charging at 0.5C to ensure longevity and thermal stability.

Featherlight Performance : Weighs just 267 grams, offering one of the best power-to-weight ratios in its class.

Stable & Secure Chemistry : Built on LiFePO₄ platform, known for thermal reliability and long life cycles.

Ideal For :

- Solar Battery Systems
- Electric Vehicles (EVs)
- Backup & Modular Energy Packs
- Off-Grid Installations
- Portable Power Stations

LEP Cell – 20Ah Battery

Durable Cylindrical LiFePO₄ Cell for Reliable Energy Storage & Backup

Chemistry	Nominal Voltage	Geometry	Nominal Capacity
LiFePO ₄ (LEP)	3.2 Volts	Cylindrical	20Ah

Key Features

Stable Energy Output : Delivers up to 2C discharge (40A)—ideal for consistent mid-range power draw.

Fast & Safe Charging : Supports 1C max charge rate (20A) without compromising battery integrity.

Rugged Build : Weighs 2.8 kg, providing robust thermal management and structural durability.

LiFePO₄ Chemistry : Ensures excellent thermal stability, long life cycle, and safety in demanding environments.

Ideal For :

- Solar Energy Storage
- Telecom Backup Systems
- Electric Vehicles (EVs)
- Inverter & UPS Batteries
- Industrial Battery Banks



LEP Cell – 30Ah Battery

High-Capacity Cylindrical LiFePO₄ Cell for Demanding Power Applications

Chemistry	Nominal Voltage	Geometry	Nominal Capacity
LiFePO ₄ (LEP)	3.2 Volts	Cylindrical	30Ah

Key Features

High Storage Capacity : 30Ah output ideal for deep-cycle solar and energy storage systems.

Balanced Power Delivery : Supports up to 1C discharge and 1C charge rate, ensuring consistent performance with safety.

Sturdy & Durable : Weighs 3.44 kg with robust structure—engineered for heavy-duty applications.

LiFePO₄ Reliability : Features enhanced thermal and chemical stability, longer lifespan, and minimal maintenance.

Ideal For :

- Off-Grid Solar Storage
- Inverter and UPS Battery Systems
- EV Packs and Power Banks
- Backup Energy Solutions
- Industrial Equipment & Robotics



Solar Submersible Pump – 1HP to 27HP

Efficient, Reliable, and Grid-Compatible Water Pumping for Agriculture & Industry

Usage	Motor Phase	Max Flow	Controller
Agriculture	Three Phase	230 LPD	Solar + Grid Hybrid

Key Features

Dual Power Compatibility : Operates on both solar (DC) and grid power (AC)—ensures continuous operation, day or night.

High MPPT Efficiency (98%) : Advanced Maximum Power Point Tracking for optimized solar energy usage.

Powerful Range : Available from 1HP to 27HP, capable of long-distance and high-lift water pumping.

Durable & Weatherproof : Engineered for minimal servicing and backed by accessible support.

Low Maintenance : Engineered for minimal servicing and backed by accessible support.

Low Maintenance : Perfect for agriculture irrigation, commercial use, housing societies, and industrial plants.

Ideal For :

- Off-Grid Solar Storage
- Inverter and UPS Battery Systems
- EV Packs and Power Banks
- Backup Energy Solutions
- Industrial Equipment & Robotics



1HP Solar Submersible Pump System

High-Pressure Water Solution for Drinking & Irrigation Needs

Usage	Motor Type	Pump Type	Voltage
Drinking Water & Irrigation	DC	Submersible	240V

Key Features

Reliable High Pressure : Delivers strong water output suitable for drinking water taps and small-scale irrigation.

Multi-Stage Efficiency : Ensures consistent water flow, even at varying water table depths.

Solar DC Motor : Energy-efficient and cost-effective—ideal for off-grid installations.

Rugged & Low Maintenance : Built to withstand continuous operation in challenging rural environments.

Eco-Friendly Solution: 100% solar-powered—no diesel or electricity required.

Ideal For :

- Borewell Drinking Water
- Small Farm Irrigation
- Electric Vehicles (EVs)
- Cattle & Livestock Watering
- School, NGO, or Village Water Projects



1HP Solar DC Submersible Pump

High-Performance Multi-Stage Pump for Water Supply & Irrigation

Application	Pump Type	Motor Type	Voltage
Drinking Water, Irrigation	Submersible	DC	240V

Key Features

Multi-Stage Pump Design : Ensures high discharge pressure and steady water flow at deeper levels.

Solar-Powered DC Motor : Efficient operation with minimal power consumption, perfect for off-grid use.

High Pressure Output : Ideal for borewells, farms, and residential water supply systems.

Maintenance-Free Build : Rugged design for long service life with low operational costs.

Clean & Green Technology : Runs completely on solar energy—no electricity or fuel needed.

Ideal For :

- Borewell Water Lifting
- Home & Farm Water Supply
- Village Water Projects
- Solar Irrigation Systems



On-Grid Solar Inverter – 3KW to 30KW

Smart Grid-Tie Inverters for Residential & Commercial Solar Installations

Capacity Range	Phase Options	Application
3KW – 30KW	Single & Three Phase	Residential & Commercial



Key Features

Grid-Tie Operation : Synchronizes solar output with grid supply to maximize energy usage and export surplus power.

High Conversion Efficiency : Advanced MPPT algorithms ensure >98% efficiency, reducing energy loss.

Wide MPPT Voltage Range : Accommodates variable solar conditions while maintaining stable performance.

Remote Monitoring : Many models support WiFi/GPRS modules for live performance tracking and fault alerts.

Built-in Protections : Includes anti-islanding, over-voltage, over-temperature, and short-circuit protection.

Compliant with BIS & IEC Standards : Designed to meet safety, performance, and grid-synchronization standards.

Ideal For :

- Residential Rooftop Systems
- Commercial & Industrial Units
- Educational Institutions (EVs)
- Warehouses & Grid-Connected Plants

Off-Grid Solar Inverter System – 1KW to 10KW

Complete Independent Solar Power for Homes, Farms & Remote Areas

System Capacity	Power Type	Application
1KW – 10KW	Single / Three Phase	Off-grid homes & institutions

Key Components & Features

Solar Panels :

- Converts sunlight into DC electricity
- Typical wattages: 335W, 400W
- Panel Types: 60-cell, 72-cell (Mono/Poly)

Charge Controller :

- Regulates power from panels to batteries
- MPPT Controller for higher efficiency
- Prevents overcharging and extends battery life

Battery Bank :

- Stores power for night and backup use
- Capacity: Measured in Ah or kWh
- Battery Types: Li-ion, LiFePO₄, Lead-Acid

Solar Inverter :

- Converts DC (battery) to AC (appliance) power
- Capacity: 1KW to 10KW
- Pure sine wave output for appliance compatibility
- High efficiency and minimal energy loss

Ideal For :

- Highways & Bypass Roads
- Large Commercial & Industrial Areas
- Stadiums, Yards & Parking Lots
- Railway Stations, Airports & Logistic Hubs



Solar Megawatt System

Utility-Scale Power Solutions from 1 MW to 300 MW

System Size	Installation Type	Power Output
1 MW – 300 MW	Ground-Mount / Rooftop / BESS	Utility-Scale Generation



Key Features

High-Efficiency Panels :

- Available in Monocrystalline or Polycrystalline
- Monocrystalline panels offer superior efficiency (~20–22%)
- Custom configurations based on project location and budget

Real-Time Monitoring System :

- Energy generation
- Panel health
- Fault detection

Grid Integration :

- Seamless export of surplus energy to the local electricity grid
- Compliant with DISCOM regulations and net metering policies

Optimized for Environment :

- Installed in sun-rich zones with minimal shading.
- Includes site analysis, radiation mapping, and wind load studies.

Ideal For :

- Rural & Urban Streets
- Colleges, Schools & Parks
- Resorts, Commercial Compounds
- Perimeter Walls & Walkways

Solar On-Grid Power Plant System

Efficient, Grid-Connected Solar Energy for Residential & Commercial Use

Power Range	System Type	Grid Compatibility
1kW – 100kW	Grid-Tied	Single & Three Phase

Key System Components

Solar Panels :

- Monocrystalline / Polycrystalline cells
- High-efficiency modules ranging from 335W to 580W
- Weather-resistant with IEC/BIS certifications

Inverter :

- MPPT-based high-efficiency inverters (up to 98%)
- Available in single-phase and three-phase models
- Output voltage compatible with grid standards

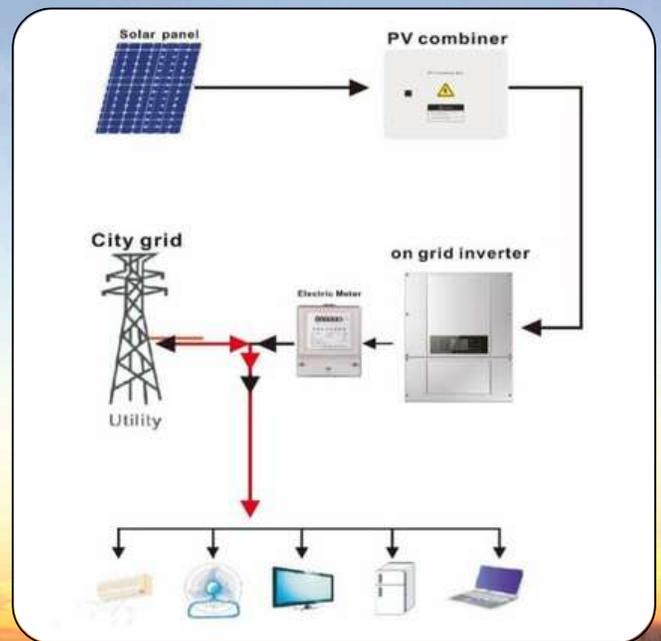
Mounting Structure :

- Rust-proof GI/Aluminum structure
- Optimized tilt angle for maximum solar exposure

Monitoring & Protection :

- WiFi / GPRS remote monitoring.
- Inbuilt protection from over-voltage, over-current, short circuit, and islanding

Note : All specifications are subject to change without notice. Always refer to the official product manual before installation or use.



Solar system capacity	Solar panel Qty	Solar Inverter	Accessories	System warrenty
1KW	335 watt×3 Nos	1kw(on-grid)	Accessories including structure, wires, ACDB/DCDB, etc	5 years
2 KW	335 watt×6 Nos	2kw(on-grid)	Accessories including structure, wires, ACDB/DCDB etc	5 years
3KW	335 Watt×9 Nos	3kw(On-grid)	Accessories including,structure, wires, ACDB/DCDB etc.	5 years
5 KW	335 watt×15 Nos	5kw(On-grid)	Accessories including structure, wires, ACDB/DCDB etc.	5 years
10 KW	335 watt×30 Nos	10kw(On-grid)	Accessories including structure, wires, ACDB/DCDB etc.	5 years
15 KW	330 watt×45 Nos	15kw(On-grid)	Accessories including structure, wires, ACDB/DCDB etc.	5 years

Solar Water Heating System

Efficient, Eco-Friendly Hot Water Solution for Home & Commercial Use

Capacity Range	Application	Heating Source
100 – 500+ Liters	Home, Hotels, Hostels, etc.	Solar Thermal

Key System Components

Collector Types :

- Insulated box with blackened absorber plate and copper pipes
- Rugged, long-lasting, ideal for high-temperature needs
- Rows of vacuum-sealed transparent glass tubes
- Superior performance in low-light and cold conditions

Absorber Material:

- High-efficiency selectively coated surface
- Maximizes solar absorption and minimizes heat radiation loss

Storage Tank :

- Double-layer insulated tank to retain hot water for extended hours
- Available in capacities: 100L, 200L, 300L, 500L+
- Inner tank: SS-304 / Glass-lined; Outer tank: Powder-coated steel

System Features :

- Rust-proof, weather-resistant structure
- Optional electric backup heater for cloudy days
- Easy-to-install roof/terrace-mounted models
- Thermostat and pressure release valve for safety



Portable Solar Power System (DC & AC Solar Lanterns)

Your Reliable Lighting Companion – Anytime, Anywhere

Battery Type	Capacity
Sealed Maintenance-Free Lead-Acid Battery / NiMH / LiFePO ₄ Battery	Up to 7Ah, 12V @ C/20 Rate



Key Features

- Dual output: DC & AC solar lanterns
- Integrated solar panel input for easy recharging
- Portable design for indoor and outdoor use
- Equipped with energy-efficient LED lights
- Optional USB port for mobile charging
- Built-in protection circuit for overcharge & discharge

Ideal For :

- Rural homes without grid power
- Camping, trekking, and outdoor trips
- Emergency lighting during power cuts
- Mobile kiosks or roadside vendors
- Disaster relief and humanitarian aid

Solar Street Light Pole

Durable. Reliable. Engineered for the Outdoors.

Feature	Specification
Material	Galvanized Iron (GI) / Mild Steel (MS)
Height Range	2 to 18 meters (Common: 3-8 meters)
Pole Type	Round or Octagonal
Wall Thickness	2 mm to 5.4 mm
Surface Coating	Powder Coating / Normal Paint / Hot-Dip Galvanizing
Foundation Plate	Size: 200×200 to 400×400 mm Thickness: 6 mm to 25 mm
Mounting	Base Plates & Foundation Bolts
Accessories	Brackets for Luminaires & Solar Panel Mounting

Key Features

- Corrosion-resistant coating for longer outdoor life
- Available in both round and octagonal designs
- Customizable height & base plate dimensions
- Equipped with energy-efficient LED lights
- Compatible with a wide range of solar street light fixtures
- Sturdy foundation setup with anchoring options

Ideal For :

- Solar street lighting systems
- Parking areas & campuses
- Parks, gardens, and residential zones
- Highways, industrial roads & townships



Solar High Mast Pole

Rural Illumination | High Elevation | Zero Grid Dependency

Pole Height	Material	Lighting Type	Power Source
Customizable – typically 9m to 30m	Galvanized or Mild Steel	High-efficiency LED Fixtures	Solar Panel (mono/poly-crystalline)

Engineered for Durability

- Built with high-grade mild steel poles
- Powered by advanced solar panels
- Includes energy-efficient LED luminaires
- Equipped with user-friendly control systems
- Integrated with high-quality wiring and connectors

Key Benefits :

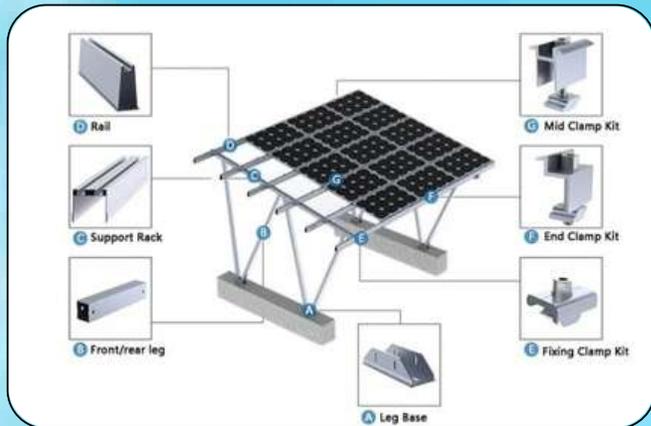
- No Grid Required
- Reduced Energy Costs
- Easy Installation in Remote Locations
- Sustainable & Eco-Friendly
- Long Life Span with Minimal Maintenance



Solar Module Mounting Structure

Engineered Strength for Every Solar Installation

Structure Type	Application	Material Options
Fixed / Adjustable Tilt	Rooftop, Ground-Mount, Carport, Trees	GI, MS, Aluminum



Product Features

- HPrecision-engineered for stability and load capacity
- Easy installation with modular components
- Compatible with all standard PV modules
- Designed to withstand extreme weather conditions
- Lightweight, rust-resistant, and low-maintenance
- Custom mounting designs for non-standard surfaces

Ideal For :

- Residential & commercial rooftops
- Solar trees & smart pole systems
- Utility-scale solar farms
- Carports and parking shades
- Custom architectural solar designs

Solar Garden Light

Elegant, Eco-Friendly Illumination for Outdoor Spaces

Power Source	Battery Type	Light Type	Charging Time	Lighting Duration
Solar (Built-in Solar Panel)	Rechargeable NiMH / Li-ion (varies by model)	LED	6-8 hours (sunlight)	8-10 hours (fully charged)

Key Features

- **Easy Installation** – No wiring required; install in minutes
- **Compact Design** – Sleek, space-saving form fits any garden style
- **Compact Design** – Sleek, space-saving form fits any garden style
- **Solar-Powered** – Charges during the day, auto lights up at night
- **Weather-Resistant** – Built to withstand rain, dust, and heat
- **Maintenance-Free** – Long-lasting performance without regular upkeep

Ideal For :

- Home Gardens
- Walkways & Pathways
- Patios & Terraces
- Parks & Decorative Landscapes



Solar Wall Mount Fan

Dual Power | Silent Cooling | Smart Outdoor Comfort

Charging Options	USB Port	Speed Settings	Oscillation Angle	Tilt Adjustment	Mount Type
Solar Panel / AC Power	5V Output (Mobile Charging)	3 (Low, Medium, High)	85°	45°	Wall Mount

Customizable Airflow

3 Speed Modes: Low / Medium / High

Easily adjust airflow for soft ventilation or intense cooling, ideal for both indoor and outdoor environments.

Efficient Oscillation & Tilt Control

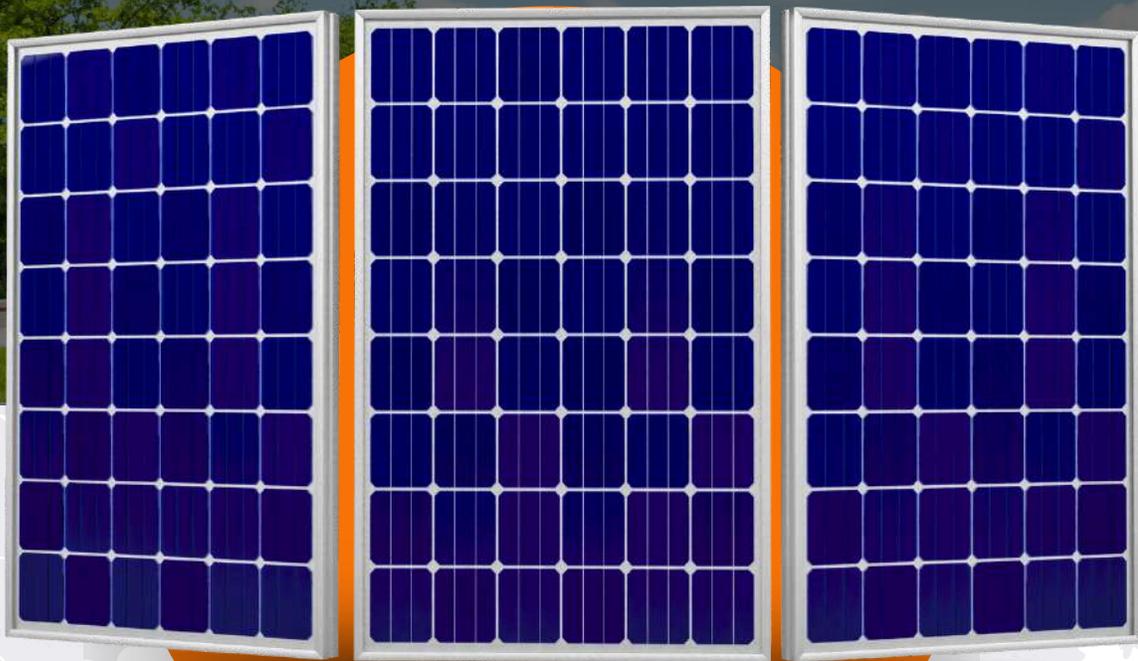
85° Horizontal Oscillation for wide coverage

45° Vertical Tilt Head to target specific areas
Perfect for large rooms, patios, tents, or verandahs.

Ideal For :

- Home Interiors
- Outdoor Patios
- Farmhouses / Camping
- Balcony & Garden Cooling





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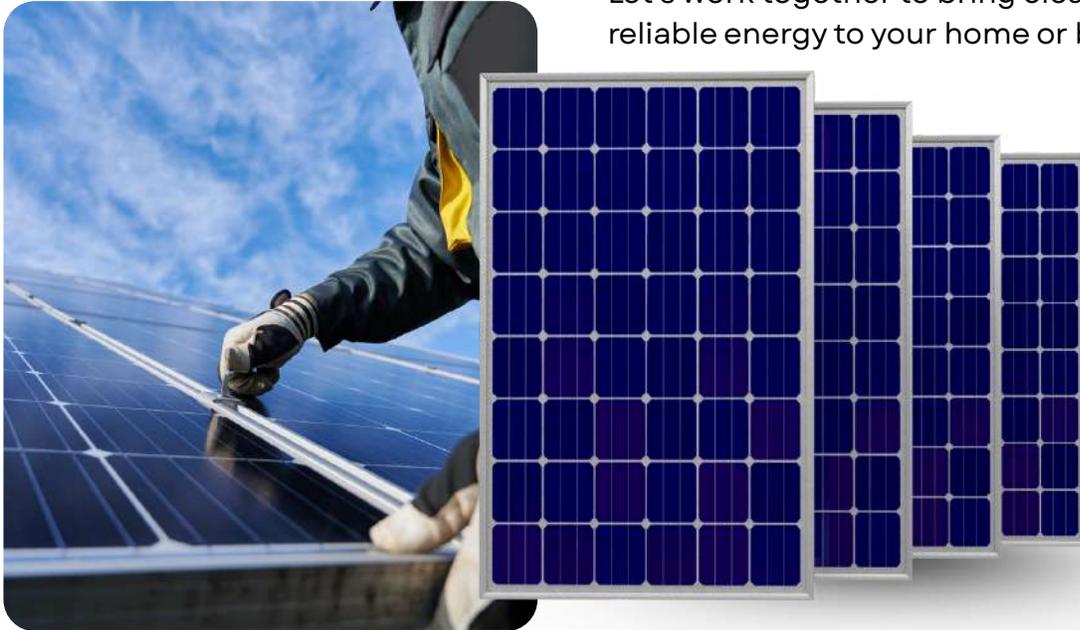
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