



ReNova Pulse Energy

"Transforming Rhythm of Sustainability"



GOVERNMENT OF INDIA

**MINISTRY OF NEW
AND RENEWABLE ENERGY**

**PRADHAN MANTRI SURYA YOJANA
GOVERNMENT-APPROVED VENDOR**



YOUR ONE STOP SHOP SOLAR SOLUTIONS



ReNova – Providing Tailored Energy Solutions Across Every Sector

ReNova Pulse Energy is committed to delivering innovative and reliable solar energy solutions for residential, commercial, and industrial needs. From initial concept design to final commissioning, we provide end-to-end services with seamless execution, high-quality standards, and maximum efficiency. Our expertise spans On-Grid, Off-Grid, and Hybrid systems, including solar PV panels, inverters, water heaters, and EV chargers, empowering homes and businesses with clean, sustainable, and cost-effective energy solutions. With a focus on reducing energy costs and promoting environmental responsibility, ReNova Pulse Energy is dedicated to transforming the rhythm of sustainability.



Why Businesses and Homes Choose ReNova Pulse Energy ?



Free Site Survey



In-house EPC



Flexible CAPEX and OPEX
Financing Models



Government-Backed
Solutions



Tailored solutions to suit
your project needs



PAN India Presence

From Concept to Commissioning – We Deliver End-to-End Excellence

Engineering, Procurement & Construction (EPC)

We transform your solar ambitions into operational success. Our EPC team manages everything from technical design and regulatory planning to on-site execution and system commissioning. Whether it's a rooftop setup for a business, a large-scale ground installation, or a custom solar carport, we deliver reliable solutions with precision and speed.

- ☀ Commercial Rooftop Systems
- ☀ Ground-Mounted Installations
- ☀ Industrial Solar Carports
- ☀ Large-Scale Solar Parks

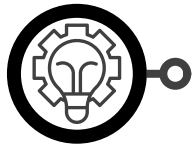


SMART SOLAR MODELS

Our solar models are designed to fit the way you operate. Whether you want to consume your power, share it within your corporate group, or purchase it through a third-party provider, we offer flexible frameworks that align with your business and financial goals.

- ⚡ Self-Use / Captive Model
- ⚡ Shared Group Consumption
- ⚡ Third-Party Power Sale (PPA)

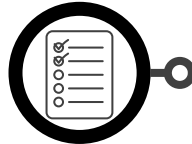
End-to-End Execution – Seamless and Reliable



1

CONCEPT IDEATION

Identifying the client's energy needs and shaping the project's goals, scale, and vision.



2

SITE ASSESSMENT

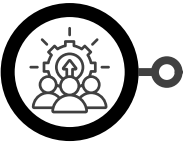
Conducting on-site visits and solar irradiance analysis to validate the project's physical and environmental feasibility.



3

TECHNICAL MAPPING

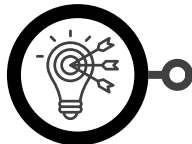
Outlining technical specifications and identifying necessary approvals, codes, and compliance checkpoints.



4

GOVERNMENT & UTILITY COORDINATION

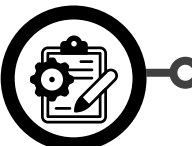
Identifying the client's energy needs and shaping the project's goals, scale, and vision.



5

SYSTEM DESIGN ENGINEERING

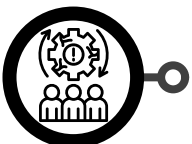
Designing the complete solar power system including module layout, electrical schematics, and safety plans.



6

PROJECT SCHEDULING

Building the timeline, budgeting, and procurement strategy including ROI projections and funding options if required.



7

WORKFORCE MOBILIZATION

Deploying trained solar installers, supervisors, and engineers with clear roles and safety briefings.



8

QUALITY ASSURANCE & FINAL TESTING

Running system checks, third-party inspections, and performance testing to ensure optimal functionality and delivery.

Our Products Offering – High-Quality Solar Solutions



ON-GRID, OFF-GRID
HYBRID SOLAR SYSTEM



SOLAR HEAT PUMPS



SOLAR WATER PUMPS



SOLAR LIGHTS



SOLAR LANTERNS &
HOME LIGHTING SYSTEMS



SOLAR BATTERIES



SOLAR WATER HEATERS



AC CHARGERS DC CHARGERS

EV CHARGERS

Flexible Solar Solutions – Powering Every Need



On-Grid Solar System

What It Does

- Generates electricity from solar panels during the day.
- Supplies power directly to your home or business.
- Sends extra electricity to the grid through net metering.
- Draws power from the grid when solar production is low (night or cloudy weather).

Benefits

- Lower Bills – Reduce electricity costs by using solar and earning credits for surplus power.
- No Batteries Needed – More affordable and low-maintenance compared to off-grid systems.
- Reliable Supply – Continuous power with automatic switch between solar and grid.
- Eco-Friendly – Decreases reliance on fossil fuels and supports clean energy.
- Value Addition – Increases property value and gives long-term financial savings.



Off-Grid Solar System

What It Does

- Generates electricity from solar panels during the day.
- Stores excess energy in batteries for use at night or during cloudy days.
- Operates independently from the local power grid.
- Provides full energy self-reliance, even in remote areas without utility access.

Benefits

- Energy Independence – Not affected by grid failures or blackouts.
- Reliable in Remote Areas – Ideal for villages, farms, cabins, and places without electricity.
- Uninterrupted Power – Batteries ensure continuous supply, day and night.
- Eco-Friendly – Uses renewable energy, reducing reliance on diesel generators and fossil fuels.
- Flexibility – Can be customized to meet specific power needs.



Hybrid Solar System

What It Does

- Generates electricity from solar panels during the day.
- Supplies power directly to home or business.
- Stores extra energy in batteries for backup use.
- Exports surplus power to the grid (if allowed) through net metering.
- Works even during power outages, unlike on-grid systems.

Benefits

- Best of Both Worlds – Combines the reliability of the grid with the independence of batteries.
- Backup Power – Provides electricity during blackouts or emergencies.
- Cost Savings – Reduces electricity bills through self-consumption and net metering.
- Flexible Usage – Choose between using solar, batteries, or grid power.

SOLAR WATER HEATER



- Available in multiple capacities from 100L to 500L and beyond
- Uses Evacuated Tube Collector (ETC) or Flat Plate Collector (FPC) technology
- Ideal for residential, commercial, and institutional hot water needs
- Saves up to 60–80% on electricity or fuel bills
- Works efficiently in low-light and winter conditions (with optional backup heater)
- Rustproof inner tanks (SS or enamel-coated) for long life
- Equipped with PUF insulation for better heat retention
- Low maintenance and easy to install
- Eligible for government subsidies under MNRE guidelines

SOLAR BATTERIES



- Available in various capacities – 20Ah, 40Ah, 75Ah, 100Ah, 120Ah, 150Ah, 160Ah, 180Ah, 200Ah & more
- Offered in Lithium-ion, LiFePO4, and Tubular Lead-Acid types
- Designed for deep cycle use – ideal for solar charging
- High charging efficiency for better energy utilization
- Long life – up to 3000+ cycles (Lithium), 1500+ cycles (Tubular)
- BMS in lithium batteries for safety and smart control
- Maintenance-free (Lithium) and low-maintenance (Tubular)
- Compact design for flexible installation
- Compatible with off-grid, hybrid, and backup solar systems

SOLAR STREET LIGHTS



- Available in multiple wattages typically 7W to 40W variants
- Integrated system with solar panel, battery, and LED light in one unit
- Uses Lithium-ion or LiFePO4 batteries for long life and reliability
- Equipped with high-efficiency Mono/Poly crystalline solar panels
- Automatic dusk-to-dawn operation turns on/off based on sunlight
- PIR motion sensor for intelligent brightness control and energy saving
- Delivers high lumen output (approx. 120–130 lumens per watt)
- Maintenance-free with weatherproof IP65-rated housing
- Easy to install – can be mounted on walls or poles
- We offer a wide range of lighting solutions including Solar Street Light, Solar Garden Light, Solar Lantern, Solar Home Lighting System, Solar Panel Unit, Solar Flood Light, Solar Motion Sensor Wall Light, Solar Bollard Light, Solar Wall Light, and All-in-One Solar Street Light.

SOLAR HOME LIGHTING SYSTEMS



- Available in multiple models from basic lanterns to multi-room lighting kits
- Powered by integrated solar panels or separate PV modules
- Uses Li-ion or LiFePO4 batteries for reliable backup
- Provides bright LED lighting with low power consumption
- Portable, lightweight, and easy to carry – ideal for indoor & outdoor use
- Mobile charging port included in most models
- Automatic dusk-to-dawn operation in select systems
- Ideal for off-grid homes, rural areas, and emergency backup
- Supports multiple lights & fans in home lighting variants



SOLAR WATER PUMPS

- Available in AC & DC models – surface, submersible, and openwell types
- Powered directly by solar panels, no grid or fuel needed
- Ranges from 0.5 HP to 10 HP and above to suit various applications
- Suitable for agriculture, irrigation, livestock, and rural water supply
- Works efficiently in low sunlight with MPPT controller technology
- Low maintenance and long operating life
- Designed for remote off-grid areas
- Automatic water level sensors and dry-run protection available
- Eligible for government subsidies under MNRE (India)



EV CHARGERS

- Available as AC chargers (3.7 kW–22 kW) and DC fast chargers (30 kW–350 kW)
- Compatible with all standard EV models, supporting both AC and DC charging
- Equipped with smart charging technology for optimized energy use and battery health
- Portable and wall-mountable options available for home, commercial, and public use
- User-friendly interfaces with real-time monitoring via app or display
- Automatic start/stop and scheduling features for convenience
- Safety features include overcurrent, surge, and temperature protection
- Supports multiple simultaneous charging points in commercial setups
- Energy-efficient design with low standby power consumption
- Ideal for residential, workplace, highway, and fleet charging solutions
- Built to withstand outdoor conditions with durable, weather-resistant casing
- Offers mobile payment integration and RFID access for public charging stations

SOLAR HEAT PUMPS



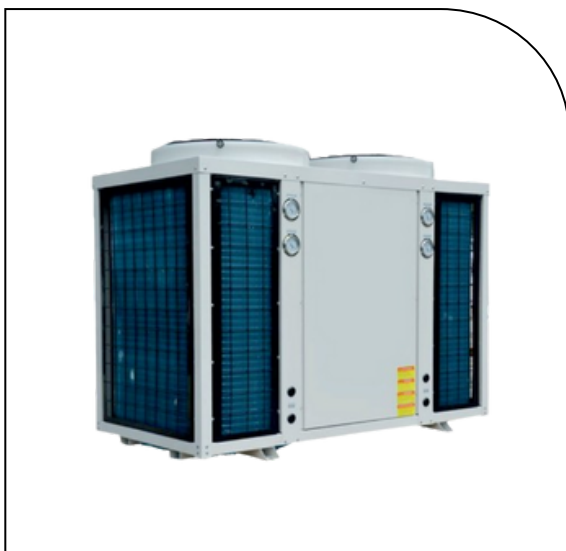
DOMESTIC HEAT PUMP

- Provides sufficient hot water for household needs with daily output suited for families
- Maintains comfortable water temperatures using solar-assisted heating
- Compact and efficient design with built-in water circulation
- Simple to set up and easy to manage over time



COMMERCIAL HEAT PUMP

- Built to handle larger water heating needs for offices, hotels, and institutions
- Utilizes solar energy with high-performance output and energy-saving operation
- Smart system for precise temperature control and reliable functioning
- Streamlined installation and low service requirements



INDUSTRIAL HEAT PUMP

- Engineered for continuous, high-volume hot water supply in factories and large facilities
- Delivers consistent performance with rugged components for demanding use
- Integrated smart control and flow systems to ensure operational stability
- Designed to reduce energy costs and minimize manual intervention

RENOVA'S PROJECTS – DELIVERING EXCELLENCE THROUGH EVERY PROJECT

RESORTS



INDUSTRIAL



HOUSING SOCIETIES



RURAL



MAINTENANCE & CLEANING SOLUTIONS

In addition to providing high-quality solar installations, we also offer comprehensive maintenance and specialized cleaning products to ensure long-term system efficiency and durability.



Mop Brush



Cleaning Brush



Sprinkler Set



Water Drain Clip





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रेनोवा का प्रयास – मुफ्त बिजली सबके पास ⚡☀️

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One Stop Shop
Solar Solutions