

# WATTSUN WIRE

*The pulse of solar people*

CELEBRATING  
**12 YEARS OF  
WATTSUN**



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# 12 YEARS OF WATTSUN

## Powering Progress with Never Ending Energy

In an era where sustainability defines progress, WattSun Energy India Pvt. Ltd. stands tall as one of South India's most trusted names in solar innovation. Headquartered in Thiruvananthapuram, the company has been driving India's clean energy transition for over a decade – lighting up homes, industries, and institutions with reliable solar solutions.

Founded by visionary entrepreneur Mr. Terance Alex, WattSun Energy has grown from a modest beginning into a leading renewable energy brand known for its engineering excellence, quality-first approach, and customer trust. With over 40 MW of cumulative solar capacity and a growing base of 7000+ satisfied customers, WattSun continues to illuminate the path toward a greener tomorrow.



## A Legacy of Leadership



As South India's first ISO 50001:2011-certified Energy Management Systems company, WattSun combines technical strength with sustainable thinking. Every project – from design to commissioning – is executed in-house by qualified professionals, ensuring unmatched reliability and performance.

WattSun's signature promise, "Never Ending Energy," is not just a tagline; it's a commitment to powering communities and creating lasting value for People, Planet, and Profit.

# Commercial Excellence

WattSun's strong portfolio of commercial and institutional projects stands as a testament to its expertise and credibility. The company has successfully executed large-scale installations for prestigious clients such as:



**1 MW Solar Power Plant**  
HLL Lifecare Ltd.  
Thiruvananthapuram



**300 kWp Solar Power Plant**  
Cyberpark  
Kozhikode



**285 kWp Solar Power Plant**  
Kerala Water Authority  
Thiruvananthapuram



**225 kWp Solar Power Plant**  
Federal Bank Facilities  
All over Kerala



**200 kWp Solar Power Plant**  
LNG Petronet  
Kochi



**200 kWp Solar Power Plant**  
PMS Dental College  
Thiruvananthapuram



**140 kWp Solar Power Plant**  
Municipal Corporation  
Thiruvananthapuram



**127 kWp Solar Power Plant**  
Minerva Empire Cinemaz  
Kottarakkara



**100 kWp Solar Power Plant**  
St. Berchmans College  
Changanassery



**100 kWp Solar Power Plant**  
Marian Engineering College  
Kazhakkottam



**100 kWp Solar Power Plant**  
Jubilee Hospital  
Thiruvananthapuram



**50 kWp Solar Power Plant**  
Artech The Address  
Thiruvananthapuram

# Expanding Horizons

While solar rooftop systems remain its core strength, WattSun Energy continues to evolve with forward-looking initiatives such as:



EV Charging Infrastructure



Battery Energy Storage Systems



Green Hydrogen Initiatives



Solar-Powered Cold Storage

These innovations position WattSun as a comprehensive clean energy partner for the future.



## Why Customers Trust WattSun?

WattSun's success lies in its people-first approach, combining strong technical expertise with unwavering customer support.

- 1. Experienced & Reliable**  
Over a decade of industry excellence.
- 2. Quality-First Execution**  
Only branded, Standard components.
- 3. Customer Commitment**  
Dedicated service and trusted partnerships built over time.

This commitment to excellence has earned WattSun an exceptional reputation and long-lasting customer relationships across the region.

## Looking Ahead

As WattSun Energy celebrates its 12th anniversary, the company remains dedicated to expanding its footprint across India and beyond. With a strong foundation, visionary leadership, and a relentless pursuit of innovation, WattSun is poised to continue illuminating lives and empowering industries with Never Ending Energy.

LEADERSHIP MILESTONE:

# A NEW CHAPTER IN SOLAR LEADERSHIP IN KERALA

## Wattsun Founder & CEO Terance Alex elected as President of KREEPA

A moment of pride for Wattsun, our Founder & CEO, Mr. Terance Alex, has been elected as the President of the Kerala Renewable Energy Entrepreneurs and Promoters Association (KREEPA).

With over a decade of leadership and innovation in the solar industry, Terance has been instrumental in shaping the region's renewable energy landscape. His appointment marks a new chapter of collaboration and progress for Kerala's clean energy sector.

**“ Leadership is about creating impact and building a sustainable future. ”**



## Driving Kerala's Renewable Vision

As KREEPA President, Terance aims to lead initiatives that strengthen policy support, technology awareness, and entrepreneurial growth. KREEPA, Kerala's leading renewable energy association, plays a pivotal role in connecting government bodies, industry professionals, and innovators.

Under his leadership, the association is set to focus on expanding solar adoption, enhancing industry standards, and building a collective movement toward sustainability.

**“ Sustainability is not just an industry — it's a responsibility we share. ”**





## THIRUVANANTHAPURAM KOMBANS: POWERED BY WATTSUN ENERGY

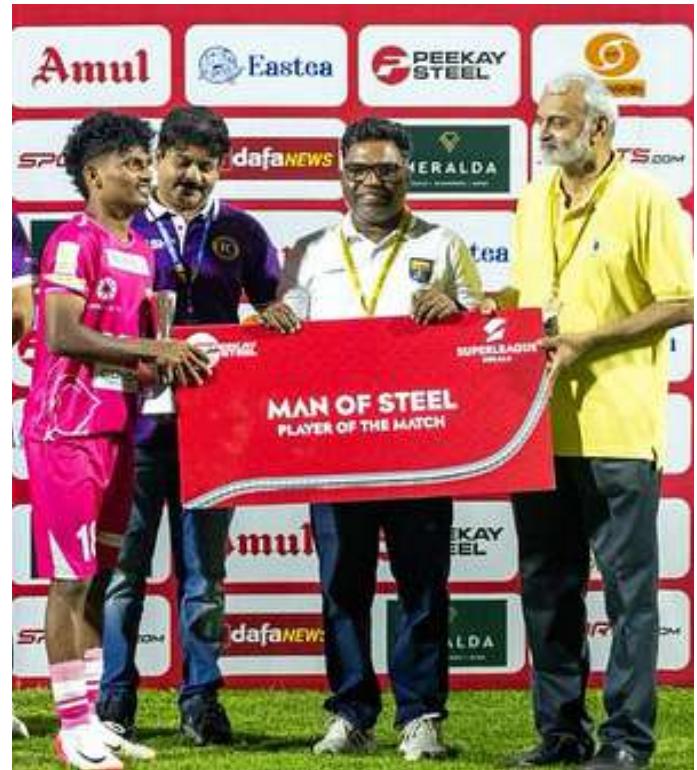
### Energising the Game, Empowering the Spirit

When energy meets enthusiasm, the result is pure power. WattSun Energy proudly partners with Thiruvananthapuram Kombans FC in Season 2 of the Super League Kerala, blending the worlds of sustainability and sportsmanship.

This partnership goes beyond sponsorship – it's about bringing communities together, igniting local pride, and promoting a shared vision of a greener, more active Kerala.

**“** Just as football inspires teamwork and determination, renewable energy drives our commitment to a brighter tomorrow. **”**

WattSun's journey has always been about empowering lives through clean energy. Supporting a team that embodies grit, unity, and ambition perfectly mirrors our core values.



# Lighting Up the Stadium



The roar of the crowd, the rhythm of drums, the chants of fans – all came alive at the Chandrasekharan Nair Stadium, the home of Kombans FC. So far, three thrilling home matches have captivated fans and created unforgettable memories under the Thiruvananthapuram sky.

Each match reflected not only the Kombans' fighting spirit but also the energy that fuels Kerala's growing football culture – one that Wattsun Energy is proud to be part of.

The stadium atmosphere mirrored the very essence of what Wattsun stands for – vibrant, dynamic, and full of energy.

## Shared Goals, Shared Values

Wattsun Energy believes that progress is built on teamwork – whether on the field or in the renewable energy sector.

Our association with Kombans FC celebrates the idea that true power lies in collaboration, and every goal scored echoes our vision of creating a sustainable, empowered tomorrow.

**“ Powering the Game. Empowering the Future. ”**



FROM THE FIELD TO THE FUTURE:

# WFA SHINES AT SUPER LEAGUE KERALA



***Our young talents stepped onto the field as Player Escorts, Flag Bearers, and Ball Kids, living every footballer's dream.***

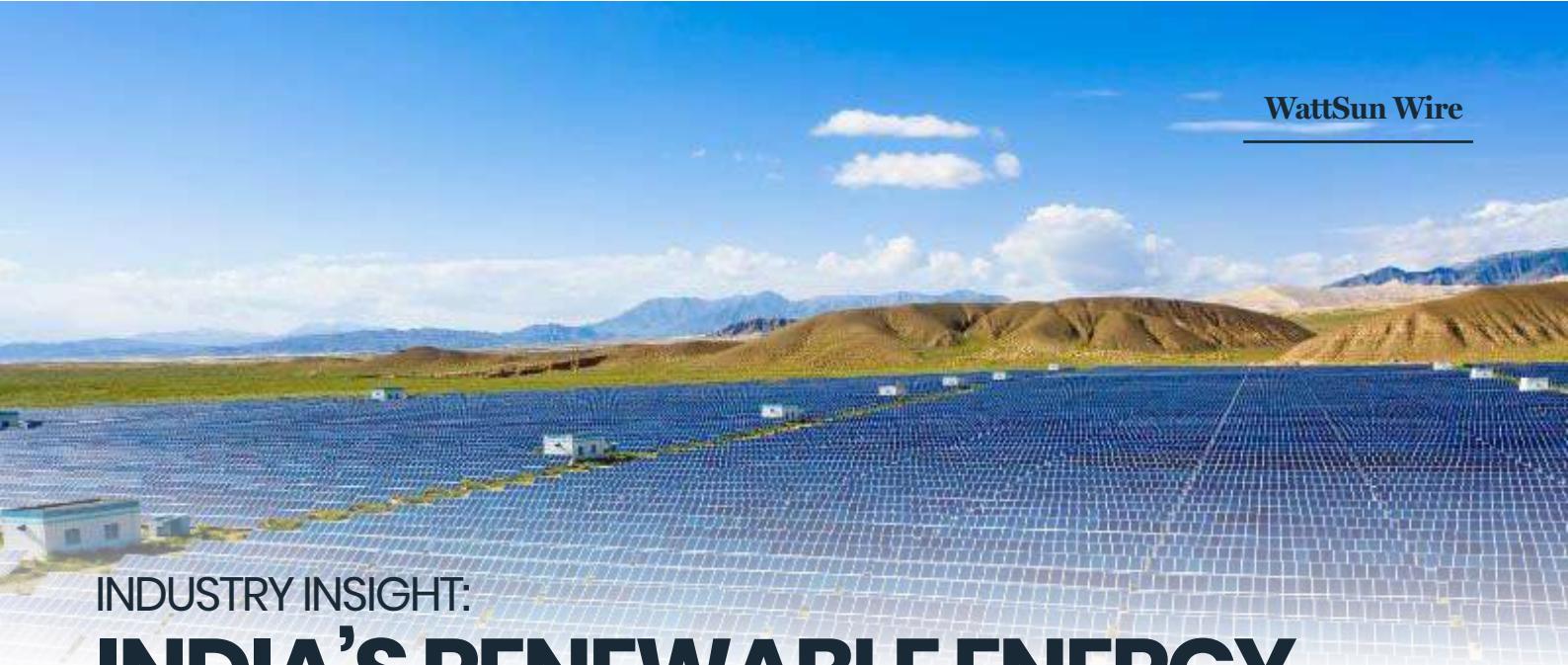
The Super League Kerala home matches were extra special this season as our young stars from the Wattsun Football Academy (WFA) proudly took the field.

A total of 22 Player Escorts, 6 Flag Bearers, and 12 Ball Kids represented the academy during the Thiruvananthapuram Kombans home games – powered by Wattsun Energy.

For these young footballers, it was more than just a matchday – it was an unforgettable experience of walking beside their heroes, waving the team flag high, and feeling the roar of the crowd up close.

Moments like these remind us why we believe in nurturing talent from the grassroots. Through WFA, we continue to inspire young athletes, encourage discipline and teamwork, and fuel their passion to chase dreams – both on and off the field.





## INDUSTRY INSIGHT:

# INDIA'S RENEWABLE ENERGY STRATEGY ENTERS A NEW PHASE

India's renewable energy journey is moving from rapid expansion to integration and reliability. After years of adding massive solar and wind capacity, the new focus of the Ministry of New & Renewable Energy (MNRE) is on making renewable power seamlessly fit into the national grid.

## From Growth to Grid Readiness

The next phase emphasizes stronger transmission networks, energy storage, and hybrid systems that can deliver consistent power even beyond solar hours. A major ₹2.4 lakh crore transmission plan is underway to strengthen renewable-rich regions and improve power flow across the country. Updated policies are also being framed to ensure flexible grid access and better utilization of renewable generation.



## What It Means for the Industry



With renewable capacity nearing 200 GW, the challenge now lies in ensuring stability and system strength. For solar developers and service providers, the shift means prioritizing grid connectivity, storage integration, and compliance with new market rules.

This new phase marks the industry's transition from expansion to maturity — building not just capacity, but a resilient and future-ready renewable ecosystem.



PROJECT SPOTLIGHT:

# 300 KWP SOLAR POWER PLANT AT CYBERPARK KOZHIKODE

## A Landmark in Clean Energy

Wattsun Energy continues to lead Kerala's solar revolution with the successful completion of a 300 kWp on-grid solar power plant at Cyberpark Kozhikode — a major step toward building a sustainable tech ecosystem.

Nestled in the heart of Kerala's IT hub, the Cyberpark campus now harnesses the power of the sun to fuel innovation. The installation not only offsets a large portion of the park's energy consumption but also serves as a symbol of environmental responsibility and modern engineering excellence.

**“** *At Cyberpark, technology and sustainability come together under one bright idea — solar power.* **”**



# Engineering Excellence at Work



This 300 kWp system was designed and installed with precision, ensuring maximum performance, safety, and reliability. With cutting-edge inverters, optimised string configurations, and smart monitoring, the plant reflects Wattsun's unwavering commitment to quality and long-term value.

The project stands as a testament to our expertise in delivering large-scale solar solutions that meet both corporate sustainability goals and national renewable-energy objectives.

## Sustainability That Inspires

Beyond the numbers, this installation reinforces the growing shift toward a cleaner tomorrow. By reducing the campus's carbon footprint and promoting green operations, Cyberpark's partnership with Wattsun Energy sets an example for other institutions to follow.

It's not just a solar project — it's a statement of intent, a move toward a net-zero future where every ray of sunlight counts.

**“ Building a Sustainable Future — With Every Step Forward. ”**





## EVENT HIGHLIGHT:

# CYBERPARK PROJECT SUCCESS CELEBRATION

Wattsun Energy celebrated the successful completion of the 300 kWp Solar Power Project at Cyberpark, Kozhikode with a joyful evening on 11 October 2025 at SYZYGY Eco-Sports, Kollam.

The event brought together teams from across departments to recognize the hard work and collaboration that made this milestone possible. Awards and appreciation moments highlighted the project team's dedication, followed by games, music, and laughter that strengthened the Wattsun spirit.

**“** *Together, we power progress — and celebrate every success.*

**”**

As we look ahead to new projects, the Cyberpark achievement remains a proud reminder of what teamwork and innovation can accomplish.



## INDUSTRY NEWS &amp; TRENDS:

# SOLAR INDIA 2025: MOMENTUM, SHIFTS & WHAT'S AHEAD

## Record Growth in Solar Generation

India's solar and broader renewable-energy sector continues to show strong momentum. In the first half of 2025, solar and wind power together reduced CO<sub>2</sub> emissions by around 24 million tonnes, with solar's share of total electricity generation climbing to about 9.2 %.

Meanwhile, cumulative installed solar capacity reached 127.33 GW as of 30 September 2025. On the manufacturing side, India's module production capacity is expected to surpass 125 GW by end of 2025, raising both opportunity and concern around oversupply.



## The Changing Landscape



**Policy & Targets:** With the country's non-fossil fuel installed capacity crossing the halfway mark to its 2030 goal of 500 GW+, solar and renewable energy are moving from ambition into execution.

**Manufacturing surge:** Module manufacturing capacity climbed sharply – from about 72 GWp in March 2024 to nearly 118 GWp by July 2025, with projections of 215–220 GWp by FY 28.

**Challenges ahead:** Despite growth, there are headwinds. For instance, solar generation in Q3 2025 declined ~11 % quarter-on-quarter in some states due to prolonged monsoons.

Also, oversupply risks and demand/ transmission bottlenecks remain.

**“ India's solar journey has moved from ambition to action — and now, to leadership. ”**



## EXPO FOCUS:

# HIGHLIGHTS FROM RENEWABLE ENERGY INDIA EXPO 2025

The Renewable Energy India Expo 2025, held from October 30 to November 1 at India Expo Mart, Greater Noida, brought together leading innovators, manufacturers, and renewable energy experts from across the country. The event served as a dynamic platform for showcasing cutting-edge technologies, building partnerships, and exchanging ideas that drive the clean energy revolution forward.

Among the key participants was Reliance New Energy, which presented its latest innovations in solar technology and sustainable power solutions – drawing significant attention from industry professionals and clean energy enthusiasts alike.



# Partnering for a Sustainable Future

Green Factory, based in Kerala, proudly joined the expo as an official partner of Reliance New Energy, underscoring a shared commitment to advancing solar innovation and renewable adoption across India.

Ms. Sreeja Sureshkumary, CEO of Green Factory, and Mr. Terance Alex, Founder and CEO of WattSun Energy, were present at the venue, engaging with industry leaders, partners, and visitors. Their participation highlighted the strong alliance between Green Factory and Reliance New Energy — a collaboration built on trust, technology, and a common vision for a greener tomorrow.



## Connecting Beyond Collaboration



Beyond the partnership showcase, the team actively visited various collaborator booths and interacted with existing and potential partners, strengthening industry relationships and exploring avenues for future cooperation. These meaningful interactions added depth to the experience, turning the expo into a space not just for technology, but for shared growth and mutual inspiration.

For Green Factory, REI Expo 2025 was more than an event — it was a reaffirmation of its ongoing journey to connect innovation with impact, and to continue lighting the way toward a cleaner, more sustainable energy future.



**BUSINESS FEATURE:**

# **GREEN FACTORY: POWERING INDIA'S SOLAR SUPPLY CHAIN**

In India's rapidly growing renewable energy sector, Green Factory has emerged as a trusted B2B solar distribution hub, dedicated to empowering installers, EPCs, and solar businesses with seamless access to top-tier products and reliable service.

Born from a vision to simplify solar procurement, Green Factory brings together premium brands, advanced technology, and unmatched logistics efficiency under one roof. Our product portfolio covers everything solar professionals need – panels, inverters, mounting structures, cables, and accessories – ensuring that every project is powered by quality and backed by confidence.

## **Expanding Footprint Across South India**

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# Building Trust Through Partnership

At the heart of Green Factory lies a belief that growth comes through collaboration. We focus on long-term relationships – not just transactions. Every connection we build with our partners, whether small-scale installers or large EPCs, is based on transparency, responsiveness, and mutual success.

Our team continuously works to bridge the gap between innovation and accessibility, ensuring that the latest advancements in solar reach every corner of the market.



## The Road Ahead

As India accelerates toward a cleaner, more sustainable future, Green Factory stands ready to meet the growing demand with efficiency, integrity, and innovation. Our goal remains clear – to empower every solar professional to deliver projects that are smarter, faster, and more reliable.





THE GLOBAL POWER-UP:

## HOW EV CHARGERS ARE REDEFINING MOBILITY

Electric Vehicles (EVs) are the future of transportation, but it's the EV charging infrastructure that is truly enabling this revolution. No longer just simple wall sockets, these modern chargers are smart, interconnected hubs that are fundamentally changing how we manage energy, plan cities, and travel.

### The Evolution: Faster, Smarter, and Decisive



The latest wave of charging innovation is driven by speed and intelligence. The fear of being stranded—range anxiety—is rapidly vanishing thanks to DC Ultra-Fast Chargers. These powerhouses can top up an EV battery up to

80% in a mere 15 to 30 minutes, making long-haul journeys and commercial fleet operations entirely practical.

But the biggest shift lies in intelligence. Smart charging technologies are already optimizing charging schedules using AI and IoT, based on energy costs and grid demand. The next, transformative step is bi-directional charging. This innovation, which includes Vehicle-to-Grid (V2G) capability, is poised to reshape the energy relationship entirely. It will soon allow equipped EVs to send stored power back to the grid or supply energy to homes during outages. This turns every EV into a potential mobile power asset, promising dramatically enhanced grid resilience and greater energy independence in the near future.



Furthermore, charging points are becoming ubiquitous. This decentralization—from homes and offices to retail parking lots—not only adds massive convenience but also transforms everyday real estate into essential clean energy hubs that drive infrastructure growth.

## WattSun: The Rooftop to Roads Solution

The environmental value of an EV is compromised if the power fueling it comes from fossil fuels. This is the problem WattSun's integrated clean energy model solves, creating a seamless, end-to-end link between renewable power generation and electric mobility.



- **Rooftop Revolution:** WattSun starts at the source—installing high-efficiency solar PV systems that empower households and businesses to generate their own green electricity directly.
- **On the Road:** This same clean solar energy then flows directly into WattSun's network of EV charging stations, providing a full suite of fast-charging solutions that range from 30kW up to powerful 240kW units.

This "Rooftop to Roads" philosophy is more than just technology; it's a lifestyle transformation and a decisive step toward true decarbonization. By integrating solar generation with EV infrastructure, WattSun is building a future where clean energy generation and clean mobility are inextricably linked, ensuring every journey contributes to a greener planet.

-Abhinav Padman



## TECHNOLOGY FOCUS:

# JIO SPARQ MICROINVERTER: REDEFINING SOLAR EFFICIENCY

The Jio Sparq Microinverter represents a leap forward in solar performance and reliability. By enabling each solar panel to operate independently, it ensures maximum energy harvest, even when shading or orientation varies.

## Smarter, Safer, Stronger



Equipped with advanced MPPT, real-time monitoring, and built-in surge protection, Jio Sparq optimizes efficiency and extends system life. Its module-level architecture enhances safety through rapid-shutdown capability and eliminates single-point failures common in string systems.

## Shaping the Future of Solar

Compact, intelligent, and grid-ready, the Jio Sparq Microinverter is built for India's evolving solar ecosystem. Whether for homes or commercial rooftops, it combines innovation, durability, and smart control – redefining how clean energy is produced and managed.

Feature	Advantage
Advanced MPPT	Maximizes energy from each module
Module-level monitoring	Real-time performance insights
Rapid shutdown safety	Ensures installer and system protection
AC output design	Simplifies installation and scaling
Smart-grid ready	Seamless integration with future systems



## POLICY UPDATE:

# KSERC REVISES RENEWABLE ENERGY REGULATIONS 2025

The Kerala State Electricity Regulatory Commission (KSERC) has issued the Renewable Energy Regulations 2025, setting a new course for Kerala's clean energy transformation. The updated framework aims to strengthen renewable power generation, streamline project approvals, and promote greater adoption of solar energy across the state.

The 2025 regulations also emphasize simplified connectivity procedures, improved coordination between distribution licensees and renewable energy producers, and the integration of innovative energy systems across the grid. This approach is expected to accelerate investment in solar and other renewable energy projects throughout Kerala.

Through these measures, KSERC envisions a sustainable and energy-secure future—one that supports environmental responsibility, technological progress, and long-term energy independence for the state.



These regulations mark an important step toward Kerala's target of meeting 50% of its total electricity demand from renewable sources by 2030. They focus on encouraging wider participation from residential, commercial, and institutional sectors, enabling more consumers to generate and utilize clean power efficiently.



# WattSun Wire

*The pulse of solar people*

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## LET'S BUILD A BRIGHTER FUTURE!

The sun never stops shining – and neither do we.



“

*Together, we continue to brighten India's energy future.*

”

### **WATTSUN ENERGY INDIA PVT LTD.**

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