

# Adani Solar Driving the Solar Evolution

**GET SUNPLUGGED**

# EMPOWERING A BRIGHTER TOMORROW

## About Adani Group

- Founded in 1988, the group has a combined market cap of over USD 150 billion.
- Leading business conglomerate of India and a global integrated infrastructure player with businesses in key industry verticals spanning through renewables, logistics, energy, airports and infrastructure.
- Expanding global footprints across Australia, China, UAE, Indonesia, Myanmar, Singapore, and the United States of America.
- Biggest Renewable Energy Producer in India
- Building the largest solar park – 30 GW at single location in Khavda , Gujarat



**Visionary leadership, illustrious experience, and remarkable track record has been the signature of our legacy.**

# ADANI PORTFOLIO: A WORLD CLASS INFRASTRUCTURE & UTILITY PORTFOLIO



## Infrastructure

- ▶ Airports
- ▶ Defence & Aerospace
- ▶ Data Center
- ▶ Road, Metro & Rail



## Energy & Utilities

- ▶ Energy Solutions
- ▶ Thermal Power
- ▶ Green Energy
- ▶ City Gas Distribution
- ▶ Water Treatment Plants
- ▶ Green Hydrogen
- ▶ Solar Manufacturing
- ▶ Wind Turbine
- ▶ Electrolyzer
- ▶ Battery Energy Storage



## Transport & Logistics

- ▶ Ports
- ▶ Logistics
- ▶ Industrial Land
- ▶ Agri Logistics



## Materials

- ▶ Cement
- ▶ Copper
- ▶ Natural Resources
- ▶ PVC



## Listed Companies

- ▶ Adani Enterprises Ltd
- ▶ Adani Ports & SEZ Ltd
- ▶ Adani Power Ltd
- ▶ Adani Energy Solutions Ltd.
- ▶ Adani Green Energy Ltd
- ▶ Adani Total Gas Solutions LTD
- ▶ ACC Ltd
- ▶ Ambuja Cements Ltd
- ▶ NDTV Ltd
- ▶ Sanghi Industries Ltd
- ▶ Orient Cement Ltd



## Real Estate

- ▶ Adani Reality



## Direct to Consumers

- ▶ Adani Agrifresh



## Media

- ▶ Broadcasting Business
- ▶ Digital Services



## Sports

- ▶ Adani Sportsline

# ADANI GROUP – INSIGHTS & ACHIEVEMENTS

## ADANI ENTERPRISES LIMITED

India's largest business incubator

**4 GW**  
cell and module manufacturing capacity

**5,000+ Lane-KM**  
road projects

**210+ MW**  
data center tied-up capacity

**8**  
airports network

**2.25 GW**  
WTG manufacturing capacity

### Commitment to Sustainable Progress

Net zero commitment	Tax transparency audit	Renewable Energy	Waste managed through Recycle and Reuse
✓2070 or earlier	✓	24% of electricity mix	99%

## ADANI GREEN ENERGY LIMITED

One of the world's largest and fastest growing RE companies

**14,243 MW**  
India's largest RE portfolio

**30,000 MW**  
Developing world's largest RE plant at Khavda in Gujarat

**50,000 MW**

Targeted Operational Capacity by 2030, on a secured growth path backed by resource-rich sites. Represents 10% of India's non-fossil fuel capacity target

### Commitment to Sustainable Progress

SBTi/Net zero commitment	Tax transparency audit	UNGC participant	IBBI
✓2050	✓	✓	✓

## ADANI ENERGY SOLUTIONS LIMITED

India's largest private-sector transmission and distribution company

**26,696 ckm**  
transmission network

**22.8 million**  
smart metering portfolio

**3.18 million**  
power distribution customers

### Commitment to Sustainable Progress

SBTi/Net zero commitment	Tax transparency audit	UNGC participant	IBBI
✓2050	✓	✓	✓

## ADANI PORTS AND SPECIAL ECONOMIC ZONE LIMITED

India's largest Integrated Transport Utility

**Handles 27%**  
of India's total cargo share

**~633 MMT**  
cargo handling capacity

**Large, diversified marine fleet**

Operating in MEASA\* waters  
\*Middle East, Africa, South Asia

**Pan India presence**

MMLPs, warehouses, agri-silos, rakes and trucks

### Commitment to Sustainable Progress

SBTi/Net zero commitment	Tax transparency audit	UNGC participant	IBBI
✓2040	✓	✓	✓

# ADANI GROUP – INSIGHTS & ACHIEVEMENTS

## ADANI POWER LIMITED

India's largest private-sector thermal power producer

**India's largest**

single-location private thermal IPP (Mundra)

**17,550 MW**

operational capacity

### Commitment to Sustainable Progress

SBTi/Net zero commitment

✓

Tax transparency audit

✓

UNGC participant

✓

IBBI

✓

## ADANI TOTAL GAS LIMITED

India's largest city gas distributor

**53\***

geographical areas of gas supplies

**125\***

Districts

**3,401**

installed EV charging points

**One of the Largest Biomass Facility**

**14%\***

addressable population

in Uttar Pradesh, India

### Commitment to Sustainable Progress

SBTi/Net zero commitment

✓2070

Tax transparency audit

✓

UNGC participant

✓

IBBI

✓

## AMBUJA CEMENTS LIMITED\*

India's second-largest cement manufacturer

**Iconic and Most Trusted**

cement brands

**ACC**

**Ambuja Cement**

**100+ MTPA\***

cement manufacturing capacity

### Commitment to Sustainable Progress

SBTi/Net zero commitment

✓2050

Tax transparency audit

✓

UNGC participant

✓

IBBI

✓

## NDTV LIMITED

Among India's most trusted media companies

**Global viewership**

NDTV 24x7: 65 countries; NDTV India: 10 countries; and NDTV Profit: 5 countries.

**88+ million**

Combined presence across all social media platforms

## AWL AGRI BUSINESS LIMITED

India's largest edible oil brand and a leading packaged foods player

**Amongst India's largest**

port-based edible oil refinery

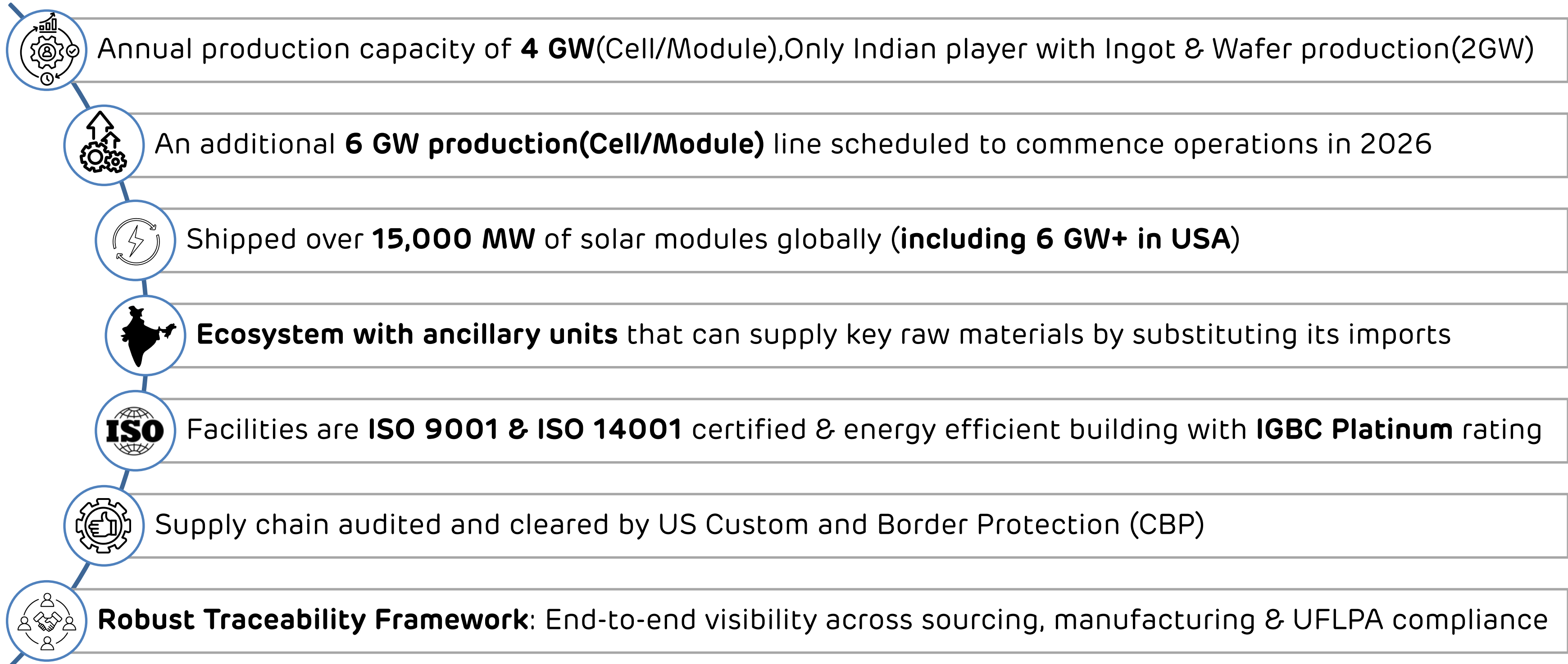
**5,000 MTPD**

edible oil refinery capacity

**2.1/121 million**

retail outlets/ households reach

## ADANI SOLAR HIGHLIGHTS



## OUR MANUFACTURING UNIT/PLANT (3D OVERVIEW)



**Facilities strategically situated in the port city of Mundra, Gujarat, within India's largest Electronics Manufacturing Cluster covering 800 acres.**



**INNOVATION AND IMPACT: ADANI SOLAR IN ACTION**

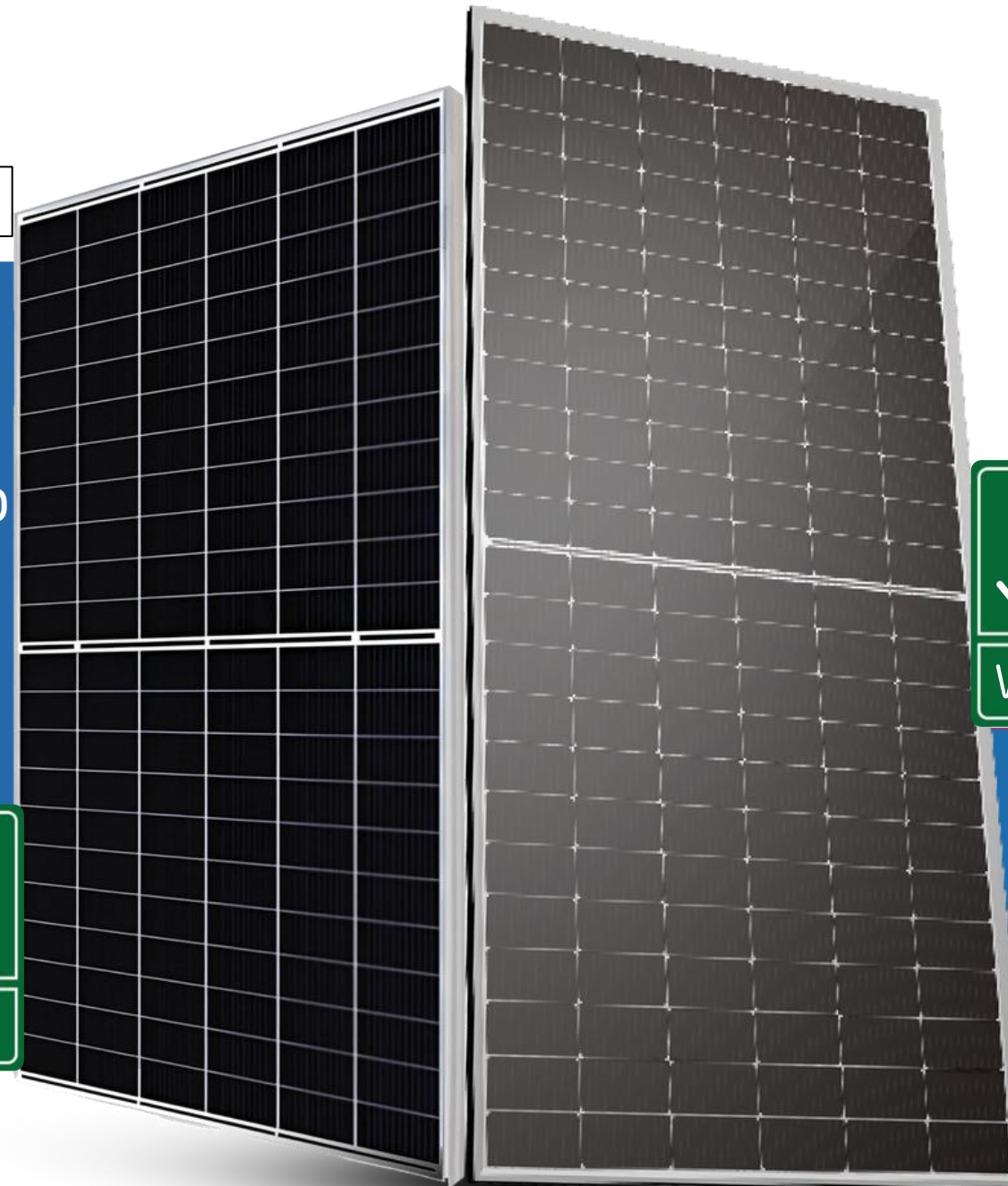
# OUR PRODUCT OFFERING

- 2 GW Operational for Domestic (India)

## MonoPerc

Wafer Size M10 – 182 mm  
144 HC Cells | 520-560 Wp  
21.5% Efficiency

**30  
YEARS**  
Warranty



## Export Market

- 2 GW Operational
- 6 GW additional operational by CY 26
  - Module by March 26 , Cell by Nov 26

**30  
YEARS**  
Warranty

## TOPCon

Wafer Size G12R – 210 mm  
132 HC Cells | 620+ Wp  
23.2% Efficiency  
Up to 85% Bifacilaity

# BRIGHTER SIDE OF THE BUSINESS



India's leading solar PV manufacturer, rated Tier-1 by BloombergNEF



Audited by PI Berlin, CEA, Black & Veatch, Solar Buyer, STS, TUV Rheinland



Only Indian company ranked in Wood Mackenzie's global Top 10 for Solar PV module manufacturing



RETC Award 2025  
Global Recognition of Adani Solar's Excellence in Module Quality & Reliability



Top Performer by PVEL 2018–2025 (Highest reliability & best performance)



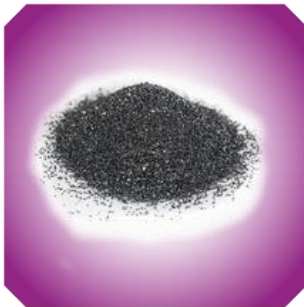
Top Brand PV 2025 by EUPD Research, Leading the Way in Solar Module Excellence



Recognized for ESG Excellence 2025, Leading Sustainable Innovation by EUPD

# VALUE CHAIN

Building the World's 1st ever Fully Integrated and Comprehensive Solar Manufacturing Ecosystem of 10 GW in India



Metallurgical  
Grade Silicon



Polysilicon



Ingots



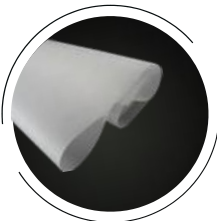
Wafers



Solar Cells



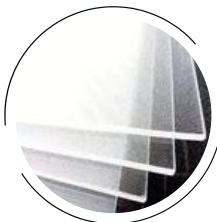
Modules



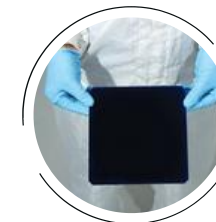
Encapsulant  
Facility



Backsheet  
Facility



Glass  
Facility



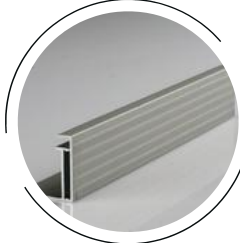
Cell & Module  
Facility



Warehouse



Training &  
Testing Lab



Aluminium Frame  
Facility

Just in Time Supplies

Reduced import dependency

Seamless supply of key raw materials

# EUROPE'S CLEAN ENERGY TRANSITION

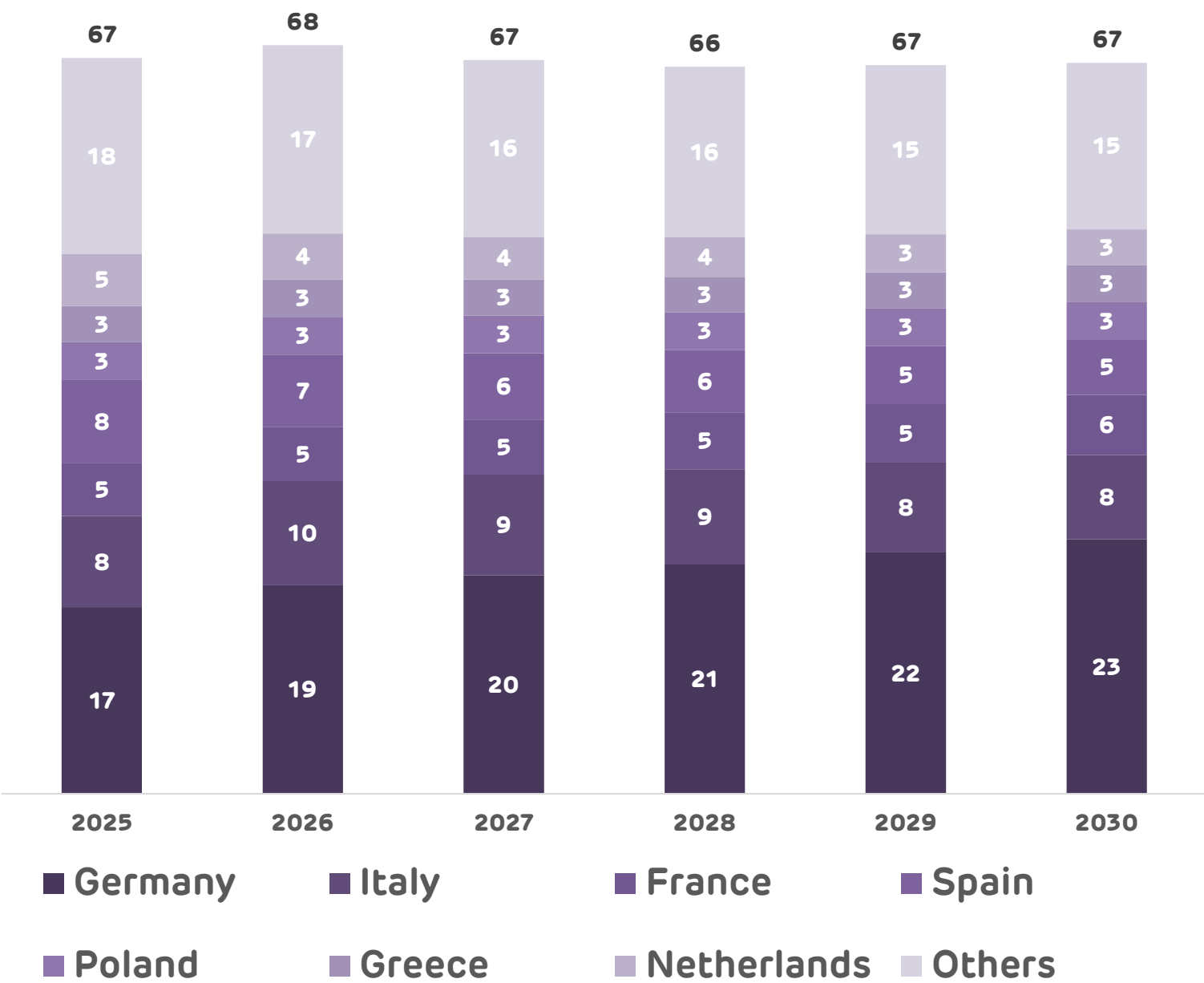
**European Green Deal & REPowerEU** - Make EU climate-neutral by 2050. At least **42.5% renewable energy by 2030**. Solar PV is a cornerstone of this strategy.

**Fit for 55 Package** - Reduce greenhouse gas emissions by **55% by 2030**. Prioritizes solar and wind in energy tenders. Phases out fossil subsidies and reforms power markets.

**Net Zero Industry Act (NZIA)** – Framework to diversify supply chain, it introduces fast-track permitting, non-price criteria in auctions, and resilience measures to reduce reliance on single source imports and support climate neutrality goals.

The European Union targets reaching **~750 GW of solar capacity by 2030** under REPowerEU plan, adding ~420 GW to the existing ~330 GW (2024-25). And EU aims ~70 GW installation annually to reach the target.

Approx. Annual Target of EU (GW)



# ADANI SOLAR'S UNIQUE VALUE PROPOSITION

## Vision Beyond Supply

Adani Solar aims to go beyond supplying solar modules by co-creating a resilient green energy future aligned with Europe's sustainability goals by aligning with EU's NZIA goals, becoming a key contributor to Europe's clean energy future.

## Sustainability & ESG Compliance

Adani's integrated manufacturing model simplifies ESG audits and certification. Complying with non-price criteria including carbon footprint reduction, responsible sourcing and labor compliance.

## Traceability & Transparency

Adani's backward integration secures supply chain consistency and ensures complete traceability, meeting EU due diligence norms.

## Carbon Footprint Standards

Adani Solar's integrated production reduces emissions from logistics and multiple suppliers, aiding compliance. Shipping emissions from India to Europe are **~65% lower than other Asian regions**, due to shorter routes and optimized logistics.



## STEPS TO REDUCE CARBON FOOTPRINT

### Decarbonization Strategy

Adani Solar is committed to achieving Net Zero emissions by 2050, aligning with the Paris Agreement and India's national pledge for 2070

### Nature-Based Solutions

Adani Group aims to **plant 100 million trees by 2030** (largest 1t.org pledge in India), with Adani Solar exceeding its annual tree-planting targets (7,727 trees in FY24 vs. 5,000 target).

### Water Stewardship

Operations rely 100% on desalinated seawater, avoiding freshwater sources. Effluent Treatment Plants (ETP) recycle water for operational use, achieving a 27% YoY reduction in water consumption per MW produced

### Innovative Technologies

Investment in green hydrogen ecosystem (10 GW solar PV, 5 GW wind turbine, 5 GW electrolyser capacity), and advanced renewable energy/storage systems.

### Energy Efficiency

Integration of energy-efficient technologies (e.g., Vapor Absorption Refrigeration Machine in HVAC systems, using steam and seawater for cooling, achieving 88% reduction in GHG emissions

### Green Energy Transition:

10% of energy mix from renewables in FY24, with plans to expand further.

# ESG COMPLIANCE: GOVERNANCE, ETHICS, AND SOCIAL RESPONSIBILITY

## ESG AT ADANI

### Governance & Strategy

ESG is overseen by a comprehensive governance structure, including board-level committees (Corporate Responsibility, Risk Management, CSR, Stakeholder Relationship) and an ESG Committee at the business level. These bodies set targets, monitor progress, and ensure alignment with global standards (GRI, TCFD, UN SDGs, etc.).

### Ethical Business Practices

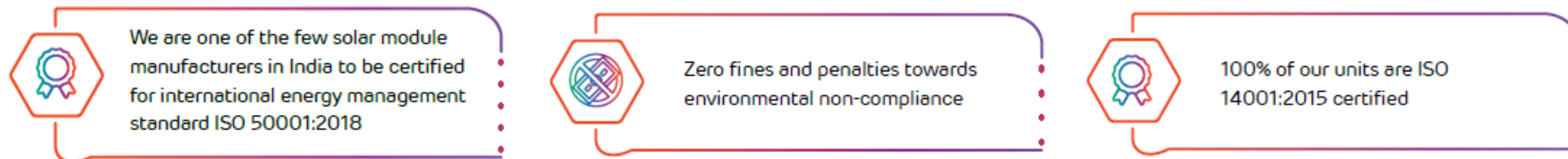
Zero incidents of corruption, discrimination, or privacy breaches reflect strong commitment to business ethics.

### Social Impact Initiatives

Adani Foundation programs benefit millions through education, healthcare, disaster relief, and climate action projects.

### Responsible Supply Chain Management

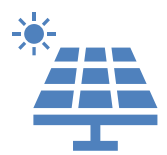
Suppliers are assessed for ESG risks and must follow a Supplier Code upholding human rights and environmental standards.



## OUR ACTIVITIES ARE ALIGNED WITH FOLLOWING SUSTAINABILITY DEVELOPMENT GOALS:



# LEADING THE SOLAR REVOLUTION WITH LOW CARBON FOOTPRINT

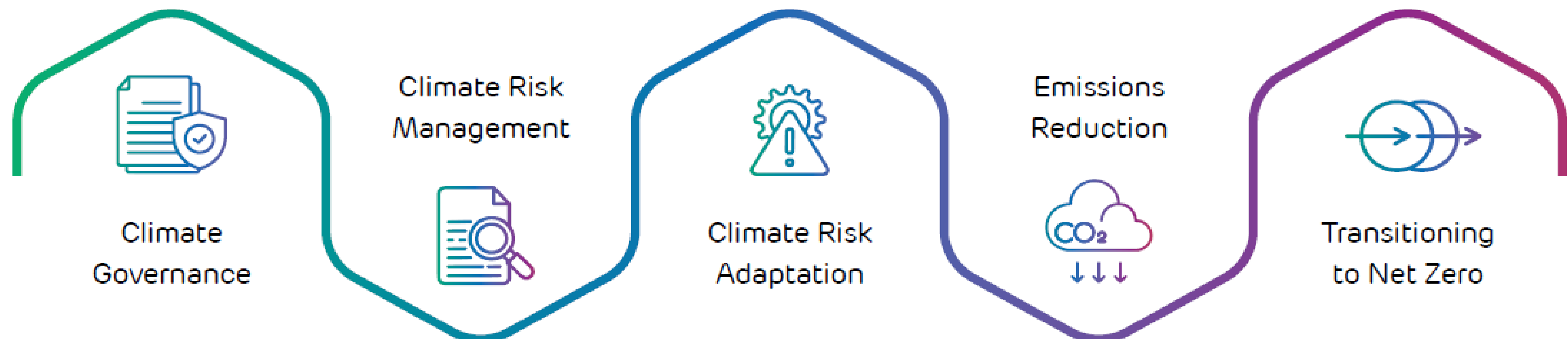


Adani Solar is committed to a comprehensive climate strategy that drives our sustainability initiatives and supports global environmental goals. Our approach encompasses key elements designed to address and mitigate climate related impacts.



We are dedicated to actively reducing our carbon footprint and minimizing greenhouse gas (GHG) emissions throughout our operations. **Solar modules sold in last financial year contributed to avoiding over 3 million metric tons of CO<sub>2</sub> emissions.**

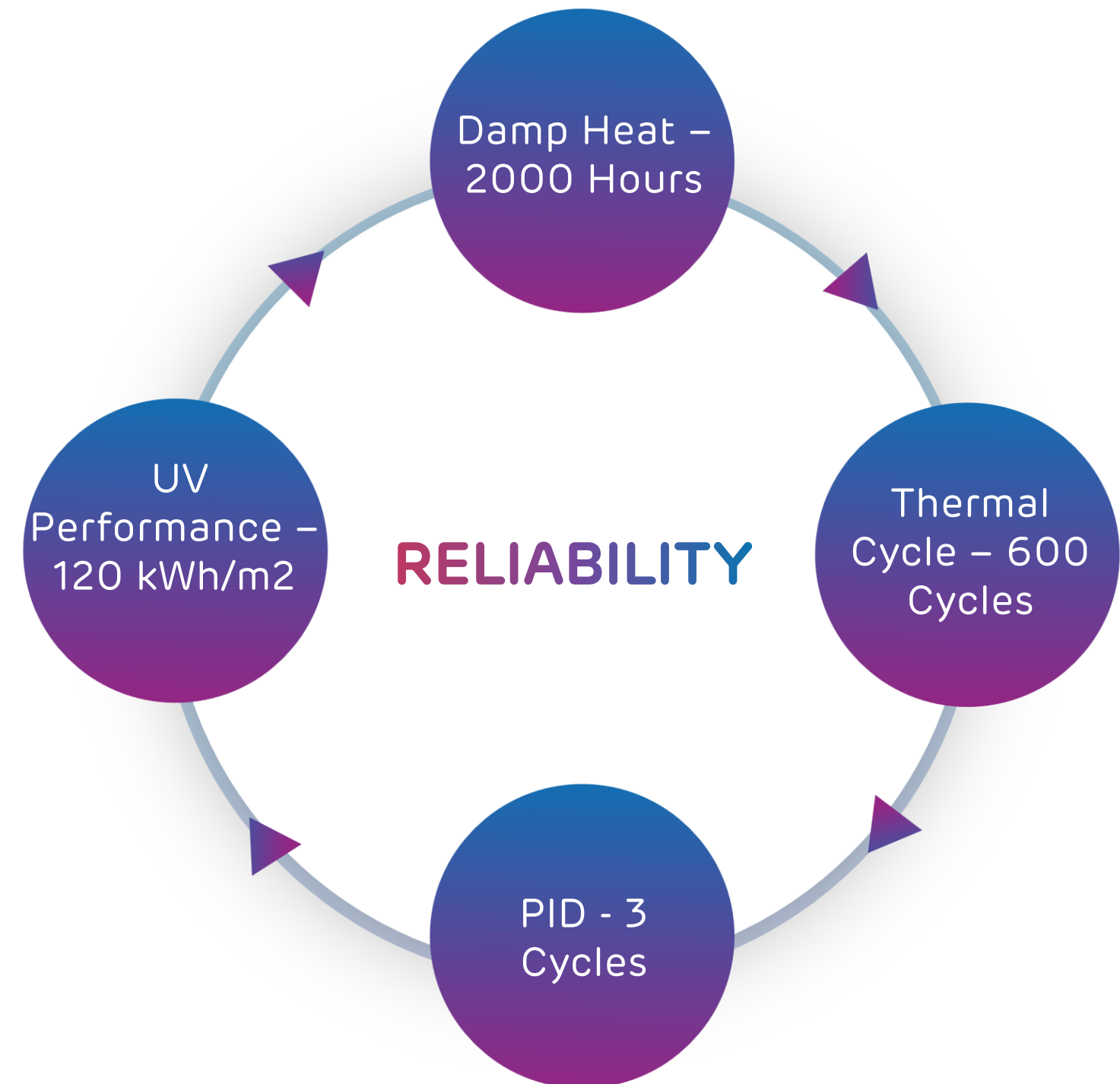
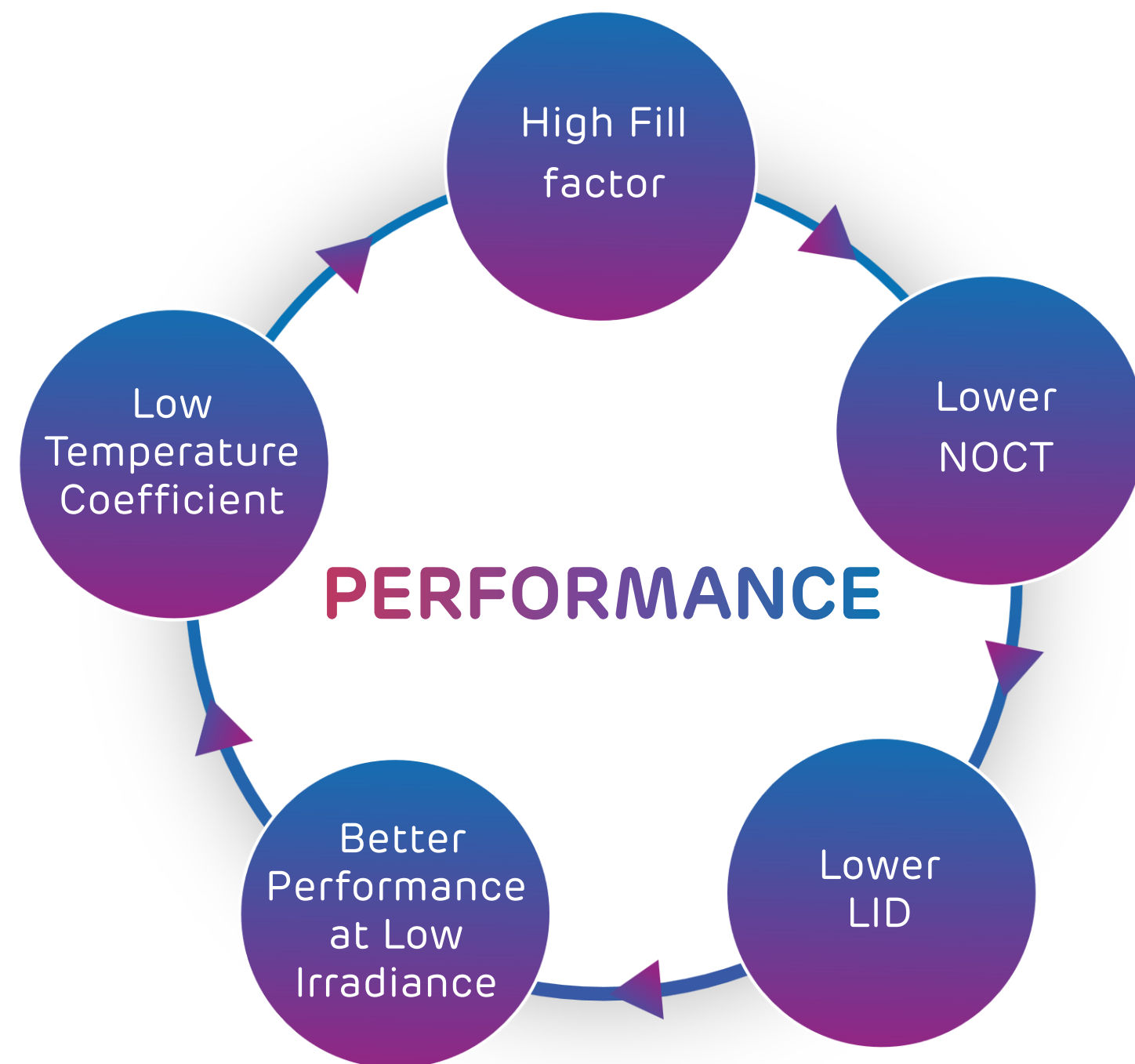
## Key Elements of our Climate Strategy



## List of Adani Solar PV Modules certifications as per IS/IEC Standards

IS 14286/ IEC 61215	Design Qualification	Ensures reliability through type approval testing
IS/IEC 61730	Safety Qualification	Defines requirements for electrical and mechanical safety
IEC 63209-1	Extended-stress Testing	Specifies long-term reliability assessments
IEC 62804 (IS 17210-1:2019)	Potential-Induced Degradation	Assesses vulnerability to PID effects
IEC 61701 (IS/IEC 61701:2011)	Salt Mist Corrosion Testing	Examine resistance to humidity and salt spray
IEC 62716 (IS 16664:2018)	Ammonia Corrosion testing	Ensures durability in ammonia-rich environments.
IEC 61853-1 (IS 16170-1 :2011)	Irradiance and Temperature performance measurements and power ratings	Evaluates module efficiency under various conditions
IEC 61853-2 (IS 16170-2 :2016)	Spectral responsivity, incidence angle and module operating temperature measurements	Determines sensitivity to incident angle of light and variations of output according to it
IEC 62759-1	Transportation and shipping of module package units	Simulate transportation and shipping conditions
IEC 60068-2-68	Environmental Testing Part 2 Dust and Sand	Series of tests for environmental impacts

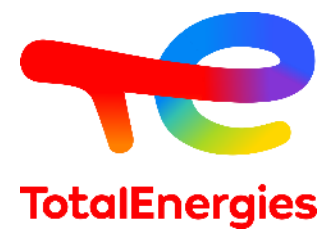
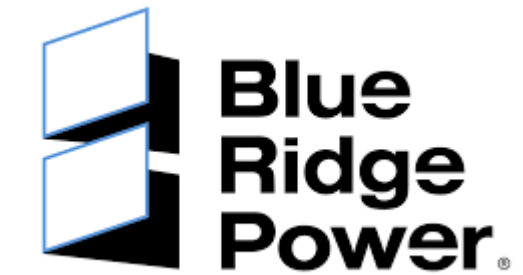
# HIGH EFFICIENCY MODULES FOR UNPARALLEL PERFORMANCE



# GLOBALLY TRUSTED & MOST BANKABLE INDIAN COMPANY



## TRUSTED BY INDUSTRY LEADERS





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SCAN TO VISIT US

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