Grew™ solar

MADE IN INDIA, FOR AMERICA

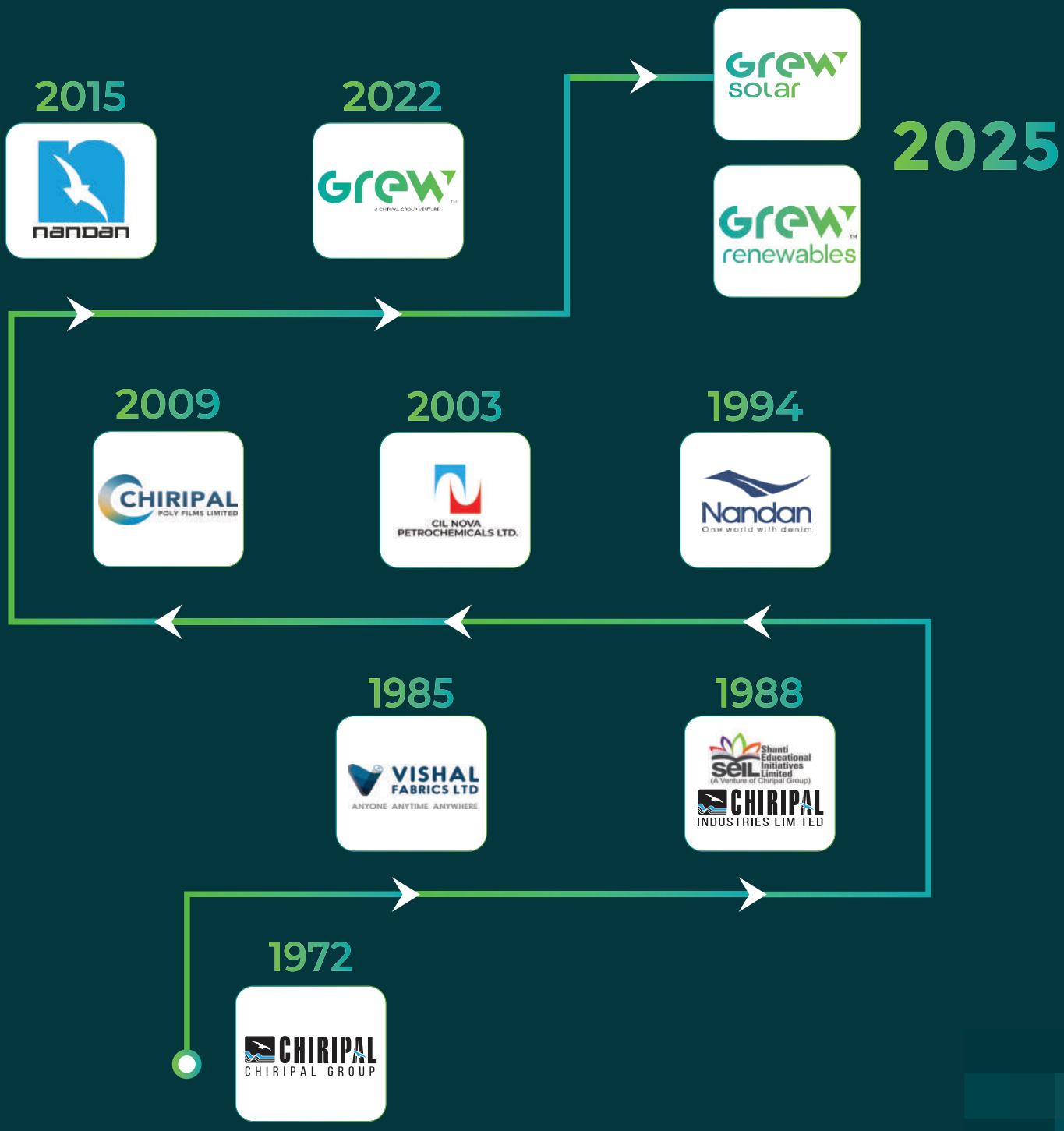
POWERING THE NEXT



CHIRIPAL GROUP'S RENEWABLE VISION WITH GREW SOLAR

With over 52 years of legacy, Chiripal Group is a recognized industry leader known for manufacturing excellence and innovation. Backed by strong global trade relations and a presence in 52+ countries, the group has a strong presence across diverse industry segments in international markets. Its focus on R&D and technology continues to drive sustainable growth and industry-leading solutions.

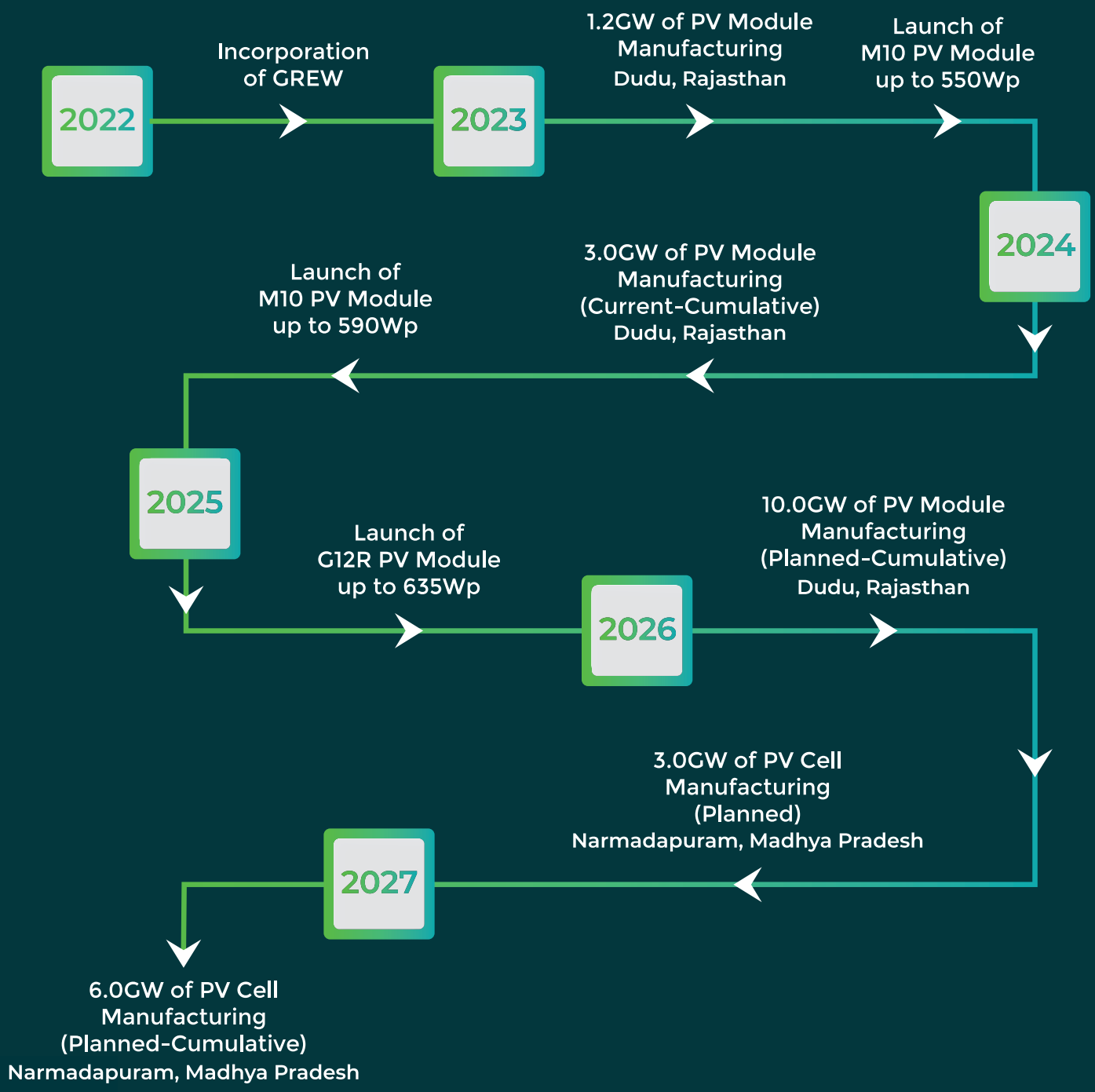
GREW Solar stands as one of India's leading solar PV manufacturing companies. Backed by 52+ years of manufacturing legacy, GREW Solar combines experience and expertise to advance India's solar PV module manufacturing capabilities and establish the nation as a global renewable energy leader.



GREW SOLAR'S JOURNEY

Founded in 2022, GREW Solar is one of the 11 trusted companies to win PLI allocation of 2.0GW capacity for PV Modules, PV Cells, Wafers / Ingot manufacturing. By undertaking three-stage backward integration within 2 years of establishment, GREW Solar is setting industry benchmarks and driving India's renewable energy ambitions, as India's youngest and fastest-growing solar PV module manufacturer.

Strategically poised for phased expansion across 212+ acres in Dudu (Rajasthan), Kathua (Jammu & Kashmir) and Narmadapuram (Madhya Pradesh), GREW Solar



SUSTAINABILITY IS INTEGRAL TO GREW SOLAR'S VISION & PHILOSOPHY

From minimizing resource consumption to restoring the environment, we have adopted initiatives and responsible practices that reflect our commitment to both industry leadership with environmental stewardship.



Pledge A Tree Initiative

2500+ trees planted at Jaipur facility



Responsible Manufacturing

PV Module production powered by solar energy



Reduce, Reuse, Recycle

60KL wastewater treated everyday & reused in gardening



Sustainable Supply Chain

Transitioning from single-use wooden pallets to eco-friendly reusable materials

MANUFACTURING EXPERTISE

GREW Solar operates an **ISO-certified solar PV module manufacturing facility** near Dudu, Jaipur (Rajasthan), built on foundations of precision engineering and quality assurance.

BUILT FOR RELIABILITY. ENGINEERED FOR PERFORMANCE.



Comprehensive Quality Assurance Infrastructure

Our state-of-the-art R&D and Reliability Lab is designed to meet the highest IEC standards for photovoltaic (PV) module testing. This facility is equipped with cutting-edge technology to perform comprehensive electrical, mechanical, and accelerated aging tests.

Our manufacturing excellence is anchored by a **fully integrated in-house testing laboratory** equipped with industry-standard equipment that the global industry demands:

- **Rigorous quality control protocols** that meet international benchmarks.
- **Consistent product reliability** backed by comprehensive testing at every production stage.

Advanced Manufacturing Capabilities

Our state-of-the-art PV module manufacturing facility at Rajasthan combines:

- **Efficient automation processes** that ensure scalable production without compromising quality.
- **Standardized production protocols** aligned with global market specifically for North America requirements.
- **High-performance solar PV modules** engineered to withstand diverse climatic conditions.

QUALITY & RELIABILITY

In-House R&D Lab Fully Equipped For 25 Types of IEC Tests Ensuring Long-Term Module Performance



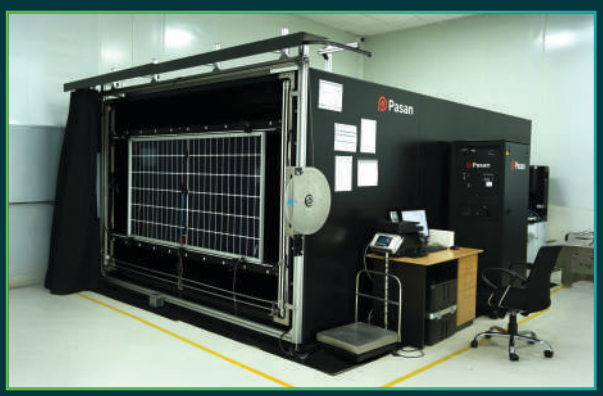
Environmental Chamber

UV, LID, & Environment Chamber ensuring long-term module performance.



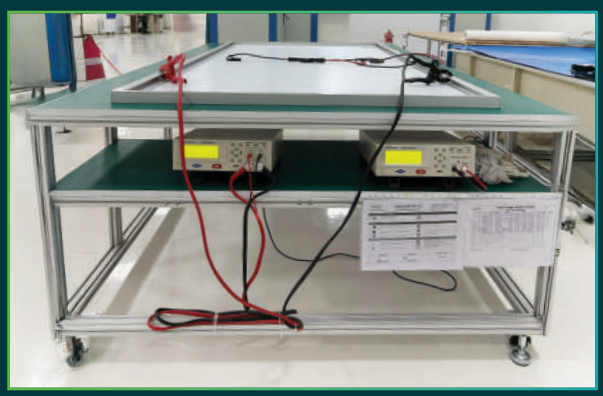
Solar Cell Tester

Solar Cell Tester to check EL and electrical parameters of the incoming (IQC) solar cell.



Sun Simulator

A++ Certified Sun Simulator from PASAN (power measurement at STC & low irradiance).



Hi-Pot & IR Tester

Hi-Pot (DCW, IR, GCT) as per the latest IEC/UL safety protocol.



Mechanical Load Tester

MLT is used to determine the ability of the module to withstand a minimum static load.



Hail Tester

Hail Tester is to check durability of withstanding the impact of hail.

N-TYPE TOPCon G2G SERIES UP TO 590WP

OUTPERFORM. OUTPRODUCE. OUTLAST.

The G2G Series represents a new frontier in solar technology. While others struggle with conventional limitations, our N-Type TOPCon architecture delivers revolutionary efficiency that reshapes project economics from day one.

BREAKTHROUGH PERFORMANCE

- **30-Year Performance Guarantee**
  Backed by rigorous testing.
- **22.84% Module Efficiency**
  Setting new industry standards.
- **Extended Power Generation**
  Enjoy up to 2 additional hours of energy production daily during dawn and dusk.
- **Designed for Longevity**
  Built to withstand harsh environments while delivering consistent, high-efficiency output.
- **-0.29% per °C Temperature Coefficient of Power**
  Superior performance in America's varied climate.



WHY DEVELOPERS CHOOSE G2G

The G2G Series is specifically engineered for utility-scale projects where maximizing energy harvest per acre determines project success. Additionally, the G2G Series is gaining traction in the Commercial & Industrial (C&I) sector, where businesses seek to reduce energy costs and contribute towards net-zero goals.

By integrating G2G modules, C&I projects can achieve significant cost savings, stabilize energy expenses, and bolster their environmental credentials.

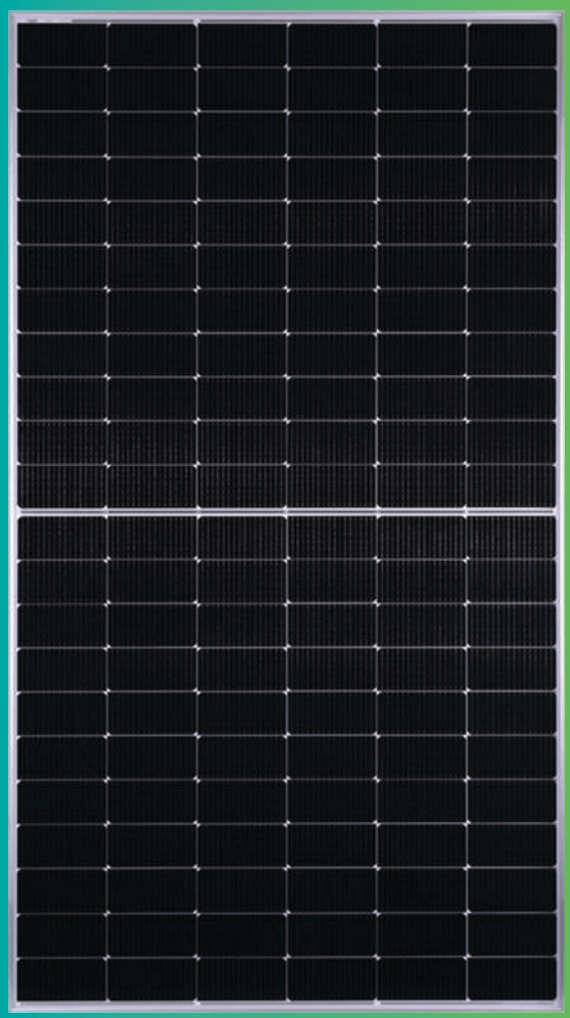
G12R HIGH-POWER SERIES UP TO 635WP

SIZE MATTERS. POWER DOMINATES.

When your utility project demands peak power with minimal complications, our G12R Series delivers unprecedented output while simplifying logistics, installation, and long-term operation.

ECONOMIC REVOLUTION

- **635Wp Super-Modules**
  Reduce total module count by up to 8% per MW.
- **Revolutionary G12R Cell Layout**
  Optimized for power density and installation efficiency.
- **Enhanced Mechanical Strength**
  5400Pa front load
  2400Pa rear load ratings.
- **Power Density**
  The G12R N-type TOPCon modules deliver a 7.20% higher power density compared to industry-standard TOPCon modules, enabling greater energy yield and cost savings.
- **Designed for Developers**
  With approximately 3% greater power generation per m^2 than industry standards, these modules are tailored for specifically utility-scale developers seeking high performance and large power capacities.



THE NUMBERS TELL THE STORY

A typical 100MW installation with G12R modules requires approximately 160,000 modules vs. 172,414 standard modules—leading to saved BOS costs and weeks of reduced installation time.

G12R delivers the scale, economics, and supply security that major developers demand in today's competitive utility market.

PREMIUM ALL-BLACK SERIES UP TO 440WP

BEAUTY MEETS BRAWN.

Solar shouldn't be a compromise between aesthetics and performance. Our Premium All-Black Series delivers both with a sophisticated design that homeowners prefer and superior output that installers demand.

RESIDENTIAL PERFECTION

- **Sleek All-Black Design**
  Engineered to complement American architectural styles.
- **440Wp Output**
  Industry-leading power in a compact, residential footprint.
- **Enhanced Shade Tolerance**
  Optimized cell layout maintains production in partial shade.
- **Class-Leading Durability**
  Designed for decades of worry-free operation.



THE HOMEOWNER EXPERIENCE

The difference is immediately visible. These modules blend perfectly with your roof while producing noticeably more energy than your neighbour's system installed just last year.

The Premium All-Black Series proves we understand what American homeowners demand: uncompromising aesthetics with superior energy production.

INDIAN CRAFTSMANSHIP, AMERICAN POWER

Some create solar panels. We engineer energy revolutions.

At GREW Solar, we don't just manufacture modules – we're transforming the way America captures and utilizes solar energy. With cutting-edge technology, relentless innovation, and uncompromising quality, our standout products are reshaping the renewable energy landscape across North America.



THE GREW SOLAR DIFFERENCE

CELLS AND MODULES ENGINEERED WITH YOU IN MIND

OUR GUARANTEE:

- **End-to-End Control**
  From cells to modules, we maintain full quality control, ensuring you get the best product at every stage.
- **Sustainability**
  By choosing our solar panels, you're investing in energy independence while reducing your carbon footprint for future generations.
- **UFLPA-Compliant Solar Panels**
  Designed for North America, we ensure a sustainable and transparent supply chain for your risk-free investments.
- **Comprehensive Warranty Coverage**
  Our products are designed with longevity and performance at their core.
- **Lowest Degradation Rates**
  Validated through accelerated testing protocols.
- **Transparent Production**
  Factory tours available for qualified partners.



Scan to Know More

THEGREYMETAPHOR.COM

HEAD OFFICE

Shanti Corporate House,
C J Marg, Near Hira Rupa Hall,
Bopal Ambli Rd, Ahmedabad,
Gujarat - 380058

PV MODULE PLANT

Khashra no 1654 to 1657,
Opposite 132 KV GSS Dudu,
Ajmer Road, Jaipur,
Rajasthan - 303008

PV CELL PLANT

Plot No. P-20, Manufacturing Zone
for Power and Renewable Energy,
Mohasa - Babai, Narmadapuram,
Madhya Pradesh – 461990

info@thegrewsolar.com www.thegrewsolar.com