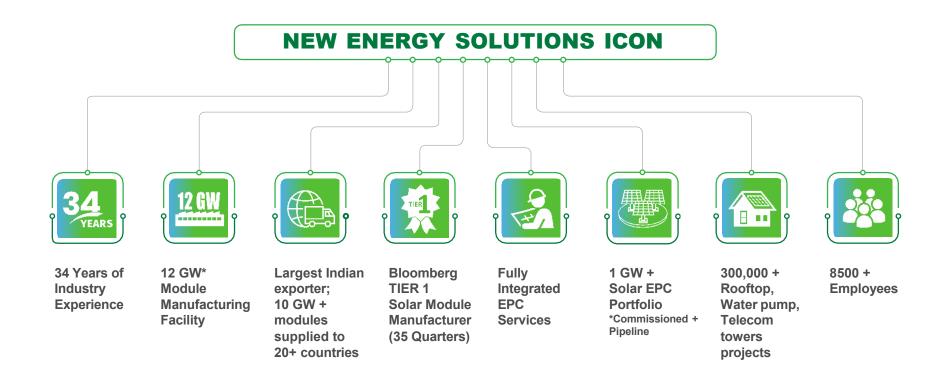
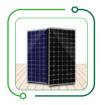


LEADER IN NEW ENERGY SOLUTIONS



LEADER IN NEW ENERGY SOLUTIONS

PRODUCT PORTFOLIO



Solar Modules



Flexible Modules



Lithium Ion Batteries



Battery Energy Storage System



On/Off Grid Inverters

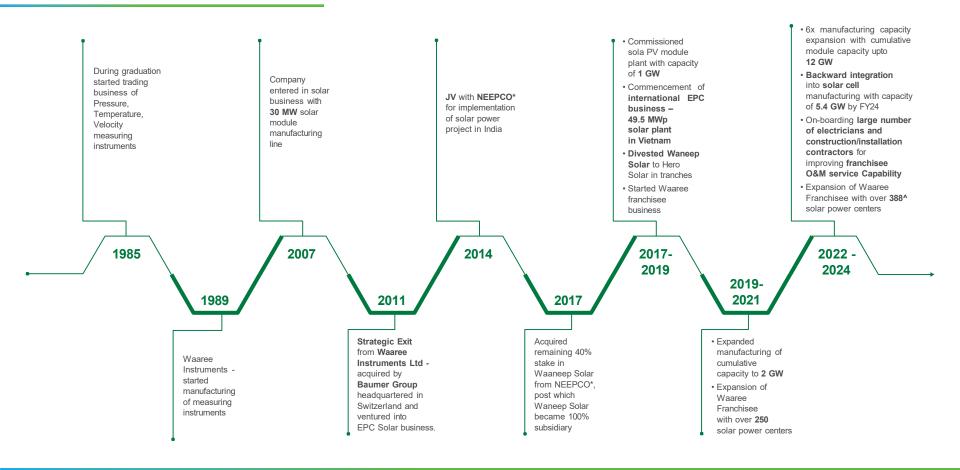


Water Pumps



Green Hydrogen

CORPORATE JOURNEY











8GW UNDER EXPANSION

MARKET LEADER IN SOLAR PV MODULE INDUSTRY IN INDIA

- Integrated manufacturing facilities with automated production lines
- Wide array of technologically advanced & high quality product portfolio for niche segments
- Robust collaborative ecosystem:
 Government partnerships, JVs, marquee clients, suppliers and technology partners
- Quality assurance bolstered by first and only NABL accredited laboratory in India for PV module testing
- Previously had a JV with NEEPCO first public private partnership in the sector



MARKET LEADER IN SOLAR PV MODULE INDUSTRY IN INDIA

SCALE AND LEADERSHIP

#1*
MANUFACTURER OF
PV MODULES IN INDIA

24%*

MARKET SHARE
IN DOMESTIC
MANUFACTURERS
OF SOLAR PV MODULES



MANUFACTURING FACILITIES

12 GW

AWARDED PLI OF **6GW** (INGOT TO MODULE) ON 28TH MARCH 2023.

MANUFACTURING FACILITIES AT SURAT, TUMB, NANDIGRAM, CHIKHLI, NOIDA# OMNICHANNEL GEOGRAPHICAL PRESENCE

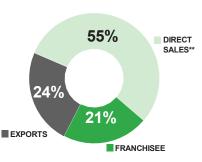
PAN-INDIA PRESENCE

SUPPLYING PRODUCTS TO 19 COUNTRIES

388
FRANCHISEES
IN INDIA

DIVERSE REVENUE STREAMS & MARQUEE CLIENTS

REVENUE MIX (FY22)^





ReNew





Central 40

*Based on Approved ALMM enlisted capacity as of 31st August 2021; ^ - segment split rounded off to nearest whole number; ** - Includes direct sales of modules as well as EPC, O&M to utilities and enterprise clients; Source - Financial of FY '22

STATE OF THE ART MANUFACTURING

SUPERIOR QUALITY PRODUCTS

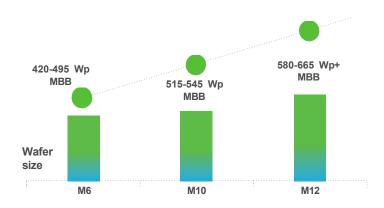
- √ Fully Automatic Production Line
- Track record of manufacturing high quality and technologically advanced PV modules
- ✓ New line capable of manufacturing modules based on latest Mono PERC technology using highly efficient large sized silicon wafers
- ✓ Line capable of producing bifacial as well as integrated PV (BIPV) modules
- ✓ Lines are expendable with flexibility for multiple products
- ✓ Existing manufacturing lines being upgraded
- ✓ Sustenance of superior product quality reinforced through product audits by reputed 3rd party agencies and insured by well-known external parties
- ✓ First and only PV module manufacturer with NABL accredited lab



STATE OF THE ART MANUFACTURING

LEADING THE TECHNOLOGY ROADMAP IN INDIA FOR HIGHER EFFICIENCY

Waaree amongst the earliest domestic player to achieve 545WP + and 600Wp + module power



.....DEPLOYED IN MOST CHALLENGING & AGGRESSIVE CONDITIONS

KEY FEATURES



Superior Module Efficiency as per International Benchmarks



PID Resistant



Glass with Anti Reflective Coating (Improves light Transmission)



Salt mist, Ammonia and Hail Resistant



Sustain Heavy Wind & Ultraviolet Radiation



Modules binned by current

...COUPLED WITH INDUSTRY-LEADING RECOGNITIONS,

CERTIFICATION AND 3RD PARTY AUDITS

Multiple recognitions and certifications from global institutes driving customer confidence in product portfolio





TRUSTED & BANKABLE

GLOBALLY



and many more... MunichRe Warranty Reinsurance for enhanced bankability

ROBUST COLLABORATION

ECOSYSTEM

Marquee client base reinforcing low counterparty credit risk & high bankability



 * - % rounded off to nearest whole number; Source - Company info, DRHP

ROBUST COLLABORATION

ECOSYSTEM

Widespread global network testimony to high quality of our products



ROBUST COLLABORATION

ECOSYSTEM

Key Technology Partners and Equipment Manufacturers



WIDE ARRAY OF TECHNOLOGICALLY

ADVANCED PRODUCTS & SOLUTIONS



WIDE ARRAY OF TECHNOLOGICALLY

ADVANCED PRODUCTS & SOLUTIONS



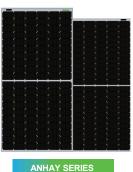


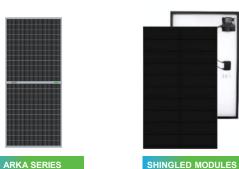
SOLARMODULE

OUR PRODUCT OFFERINGS

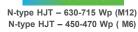












Bifacial P-type PERC -400 Wp to 665 Wp

P-type Mono PERC -400 Wp to 665 Wp

410 Wp to 430 Wp

FLEXIBLE PV MODULES 110 Wp to 450 Wp







ADITYA SERIES POLY- 325 Wp to 350 Wp (144 Cells) POLY- 250 Wp to 295Wp (60 Cells) POLY- 320 Wp to 350Wp (72 Cells)

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EPC SERVICES

END TO END SOLUTION





















1000 MW+

PROJECTS COMMISSIONED













PROJECT DEVELOPED IPP/RESCO

184 MW

(MAHAGENCO) PROJECT UNDER EXECUTION (45 SITES)

50 MW

(MADHYA PRADESH -ICHHAWAR) STATE PPA COMMISSIONED IN JUN'15

25 MW

(ANDHRA PRADESH -GURRAMKONDA) STATE PPA COMMISSIONED IN SEP'16

25 MW

(ANDHRA PRADESH -NAGERI) STATE PPA COMMISSIONED IN SEP'16

10 MW

(GUJARAT) STATE PPA COMMISSIONED IN 2011

5.5 MW

(RAJASTHAN) NTPC (PSU) PPA COMMISSIONED IN 2012

1.1 MW

(RAJASTHAN) NTPC (PSU) PPA COMMISSIONED IN 2013

INDEPENDENT POWER PRODUCER: IPP

- Waaree RTL has complete capabilities to execute IPP projects
 - Total 136 MWp IPP projects commissioned



Company : ARVIND MILLS
Capacity : 800 kWp



Company: JSS GROUP OF

INSTITUTIONS

Capacity : 1357 kWp 15 Campus

within 55kms.



 ${\sf Company} \ : \ \textbf{SONIC BIOCHEM}$

EXTRACTION LTD.

Capacity: 999 kWp



ROOFTOP SOLUTIONS

12000+ ROOFTOP SOLAR

PV PROJECTS COMMISSIONED













FLOATING

SOLAR SOLUTIONS



1 MW NTPC, KAWAS, SURAT

TECHNOLOGY VALIDATED BY NIOT (NATIONAL INSTITUTE OF OCEAN TECHNOLOGY)

Extra Generation

- Module operates 10-15 °C cooler for extra generation
- Designed for quick installation and easy O&M
- Can be modified for tracking

Differentiation

- Made in India*
- Complies with environmental, structural standards
- · High quality components for long-life
- Heavy, high buoyancy floats with redundant features
- Flexible monolithic platform tolerates wind, waves

No Environment Impact

- · Certified for use with drinking-water
- · Freshwater or seawater compatible
- · Lead-free solar module available
- · Minimum contact with water surface
- · Abundant light and air passage for life
- Underwater
- · Resistant to biofouling (algae)

Durable & Reliable

- · Stable against high winds, waves
- · Tolerates variation in water draft
- · Freshwater or seawater compatible
- · Corrosion resistant metal structures
- PV module engineered for marine use (10 years)
- · UV resistant floats for long-life
- · Floats have redundant leak-tolerant features
- Smart tethering & anchoring solution

OPERATION &MAINTENANCE



1 MW NTPC, KAWAS, SURAT

Over 125 MW O&M Portfolio of solar power plants assets

- · Achieved 99%+ of plant available time and 80%+ of PR for the asset under management.
- Leveraging tech based data analytics, technical audits, consulting and R&D to improve overall plant efficiency.
- Dedicated team of 75 technical personnel constantly working for improving the customer experience.

Why Waaree O&M

- Providing end to end solutions for all kinds of solar plants to reduce breakdown and maximize generation.
- · Adopting advance technologies to increase plant reliability.
- Plant remote monitoring to observe plant real time data and immediate response if any breakdown results to achieve maximum up time.
- Waaree uses galvanized steel structure for solar module mounting which offers long term durability and lower the operation and maintenance cost.



SOLAR INVERTER

150+ MW INVERTERS

SUPPLIED



SOLAR ON GRID INVERTER (1KW-250KW)

- Peak Efficiency up to 98.8%
- Multi MPPT / DC Strings
- IP65 dust-proof and water proof
- Multiple monitoring & communication support
- Ideal design for Rooftop Services / Utility
- Low Self Power Consumption, Low Maintenance
- String level monitoring, Large LCD Display
- · Built in DC Switch and Wi-Fi
- Multiple layer safety protection

150+ MW INVERTERS SUPPLIED



SOLAR OFF GRID INVERTER (325VA-10KW)

Solar Off Grid Inverter (325VA-10KVA)

- PWM/MPPT built-in solar charge controllers
- Smart Solar Selection Logic
- Optimum solar power usage
- · Hybrid battery charging
- Maintaining the battery gravity
- Use as a conventional inverter in absence of solar power
- Instant changeover for computers, servers & sensitive loads
- Ability to provide 100% rated power directly from Solar Module



ENERGY STORAGE SERVICES

PRODUCT APPLICATION

We have Li-lon batteries for various applications which can be broadly classified into two groups:











WAAREE ESS

WAAREE ESS is an international level high tech energy storage division of the world renowned Waaree Group.



2020

Waaree ESS was founded in 2020. It is an integral part of Waaree Group which was founded in 1989



30,000+

Batteries supplied within 12 months of operations



BMS

Indigenously developed
Battery Management System & R&D

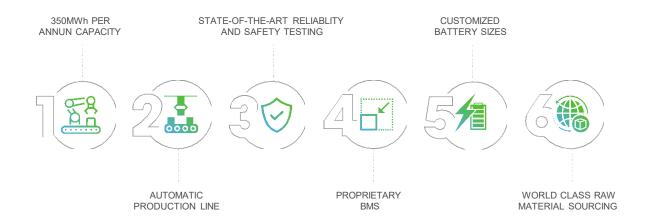


450 MWh+

Battery production capacity of 450 MWh per annum

STATE OF THE ART MANUFACTURING





Waaree ESS facility has a battery production capacity of 350MWh per annum capacity, hailing with an automatic production line, state-of-the-art reliability and safety testing, proprietary BMS, customized battery sizes, and world class raw material sourcing.



SOLARPARTNERS

(FRANCHISEE)

LEADERSHIP POSITION

IN RETAIL SEGMENT



PAN-INDIA COVERAGE WITH LAST MILE REACH

- · Present in 388* locations across India
- · Cater to MSME's, local governments, rural and residential customers
- · O&M capabilities being strengthened by onboarding certified technicians



UNIQUE PLATFORM

- On demand service to retail customers that connects & fulfills their needs through Franchisee+ certified electricians network
- On-demand learning & gig employment for bolstering technicians' income
- Dedicated technical support & multi-language support for localization
- Digital solutions mobile first platform & device agnostic



UNIQUE PLATFORM

- Robust platform offering deeper understanding of local customer insights
- · Cross-selling of integrated service offerings supported by Waaree expertise
- Franchisees leverage "Waaree" brand & wide array of products & SKUs in RE
- Waaree provides c.700 leads/day to franchisees in order to boost revenues

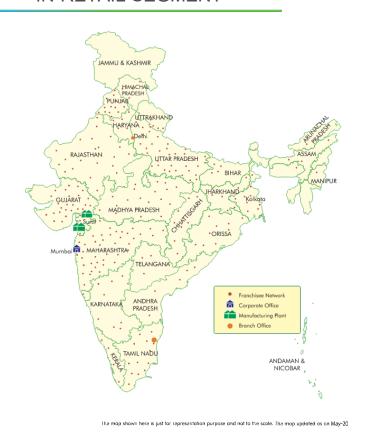


BARRIERS TO ENTRY

- · Difficult to create a strong pan-India network
- ullet Deep penetration required at the ground level across rural & urban markets
- Time consuming for competitors to establish product portfolio

LEADERSHIP POSITION

IN RETAIL SEGMENT



SOLAR EXPERIENCE CENTER



BUSINESS OPPORTUNITIES

FOR PARTNERS



Product Sales



Pipelines of New & Innovative Products



Participation in Tenders



RESCO - Reduced Cost of Energy for Clients



Turnkey EPC Projects Execution

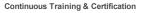


Operation & Maintenance Services

SUPPORT & COLLABORATION

SUPPORT & COLLABORATION







Business Consultation



Execution & Commissioning Support



Solution Engineering & Design



Branding & Marketing



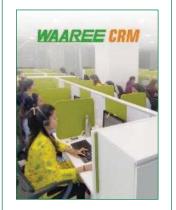
Customer Engagements



Sales Promotion

CONTINUOUS ENGAGEMENT FOR

ENHANCED CUSTOMER SERVICE



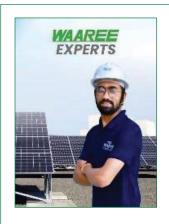
WAAREE CUSTOMER RELATIONSHIP MANAGEMENT (CRM)

- 700+ Leads Generated per Day For Franchisees
- Targeted Leads & Campaigns for higher revenue



WAAREE INTERNAL SALES TEAM

- Additional Sales closure support to partners for higher revenue generation
- Dedicated Team of 20+ Sales Agents



WAAREE EXPERTS

- Trained to cater to highest quality & certified installation
- 10,000+ partners being on boarded exclusive service network and extended sales arm of franchisee
- Unique Digital platform that connects Channel Partners, Customers, Waaree O&M and Electrician's



WAAREE PRIME

- App based reward program for our EPC Partners
- 10,000+ Registered Partners
- 500+ Redemption Options

STRATEGY FOR SUSTAINED VALUE CREATION, CONTINUED

DIFFERENTIATION & ACCELERATED GROWTH

LEVERAGE SIZE & SCALE

- · Capacity to meet growing unprecedented demand
- · Operating efficiency

TECHNOLOGY BACKBONE + R&D

- · Technology backbone + R&D
- · Stay ahead of the curve

LEVERAGE SIZE & SCALE

- · Capacity to meet growing unprecedented demand
- · Operating efficiency



DIFFERENTIATED SOLUTION & CUSTOMER OFFERINGS

- Strengthen EPC
- · New products and solutions
- · Horizontal expansion in RE Space

DIGITAL PLATFORM TO DELIVER USER-CENTERED-EXPERIENCES

- · Unify "on-line" & "off-line" opportunities
 - · Customer journey map & fulfilment
- Gig economy & leveraging the ecosystem of electricians

CONTINUOUS TRANSITION TO LUCRATIVE REVENUE MIX

- · Niche products
- Retail markets
- · Franchisee & distribution network expansion
 - Export markets

Waaree is at the cusp of "exponential" growth by leveraging the strong foundation & investing at opportune moment in the fastest growing Renewable Energy space globally

BUSINESS OPPORTUNITIES

FOR PARTNERS

Over 100 awards reinforce trust of stakeholders in WAAREE's Quality and Technological Innovations



Awarded by President of India for "Best Company"



Only Solar company to be recognized by The Economic Times



Awarded by Renewable and Power Minister for National Excellence in Solar PV Module Manufacturing



2012: ETNOW - IndiaMART Leader of Tomorrow Award, India's Biggest SME Awards



2013: Awarded prestigious India SME Excellence Award for "Excellence in Technology & Innovation"



2017: CBIP Award for Best Solar PV Module Manufacturer & Solar Power Developer

Skill & Community Development activities in rural areas have impacted over 1000 families



















THANK YOU

WAAREE ENERGIES LTD.

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