

POLYCAB
SOLAR

EVERYTHING UNDER THE SUN



Grid Tie Inverters | Solar DC Cables | Solar Boxes

CHAIRMAN'S MESSAGE



India is entering an exciting new phase in renewable energy. Our country is committed to reaching Net Zero carbon emissions by 2070. This goal encourages everyone involved in the energy sector to work together achieving sustainable solutions.

The Government of India plans to more than double our renewable energy capacity by 2030. This is more than just a goal — it is a request for everyone to take action.

At Polycab, we have a proud history of over fifty years based on strength, innovation, and a strong focus on sustainability. For over a decade, we have supported India's clean energy movement by following global standards and maintaining high quality and reliability.

Our solar products are designed for high performance, safety, and environment friendly. These products help communities, businesses and households and support India's aim for a cleaner, safer energy future.

Polycab's efforts towards ESG goals are a core part of how we operate. We are working to lower our carbon emissions, use more renewable energy in our processes, and encourage responsibility and innovation within our company.

The move towards clean energy is happening faster around the world, creating both new opportunities and challenges. As the need for trustworthy and advanced energy solutions grows, Polycab is ready to help India achieve its 2070 vision.

Let us work together to create a better future and help India reach its Net Zero goal in a sustainable and responsible way. Let us build a greener tomorrow for future generations.

Inder T. Jaisinghani

Chairman & Managing Director
Polycab India Limited

RENEWABLE ENERGY, ENDLESS POSSIBILITIES



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ABOUT POLYCAB



NO.1
MANUFACTURER
OF CABLES AND
WIRES IN INDIA



27
MANUFACTURING
FACILITIES



80+
EXPORT PRESENCE
IN COUNTRIES



**MANUFACTURING
CAPACITY**

- 6 Million Km Of Cables
- 9 Million Fans
- 24 Million Switchgears
- 12 Million Switches
- 1 Million Inverters

 500+ SERVICE CENTRES ACROSS INDIA

 NABL ACCREDITED LABORATORY

 R & D CENTRE UNDER MINISTRY OF INDUSTRIES

 2,05,000+ RETAIL OUTLETS 29 WAREHOUSES
ACROSS INDIA



OUR STRENGTH



Manufacturing
Excellence



In House Design
Expertise



Technology
Oriented



End-to-End
Solution



Customer
Centric



NABL
Accredited Lab



2012

- Venture in manufacturing of **Solar Cables**

2016

- Introduced **On-Grid Solar Inverters up to 30 kW for residential & small commercial projects**

2018

- Extended **On-Grid Solar Inverters range upto 100kW to cater to Commercial & Industrial projects**

2019

- Launched **255 kW Utility Inverters**
- Added **Solar Panel** in the basket

2022

- Started **In-house Manufacturing setup**

2024

- Expanded **manufacturing to complete range from 2 to 125 kW capacity**
- Launched **Solar ACDB and DCDB** for the residential solar projects under **PMSGY**
- Started supply of **Advanced N-Type Topcon Solar Modules**

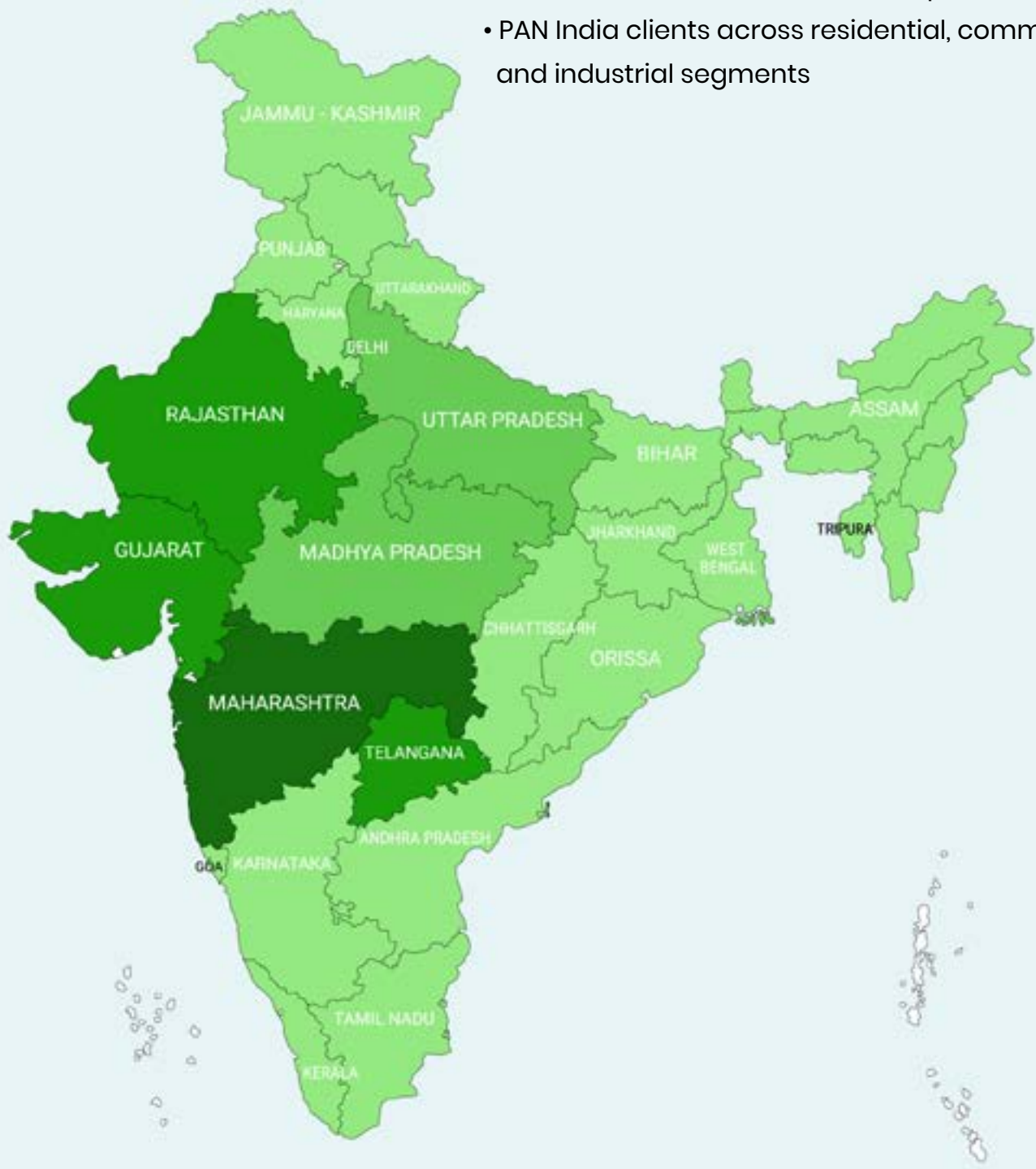
2025

- Launched **350 kW Utility Inverter & Residential Solar Kits**



Polycab Inverter Footprint till March - 2026

- 3.3 GW inverter capacity supplied
- 5.5 lakh+ inverters installed and operational
- PAN India clients across residential, commercial, and industrial segments



- States with > 900MW installations
- States with > 300MW installations
- States with > 100MW installations
- States upto 100MW installations

SUSTAINABLE SOLUTIONS

Powering the Future, Responsibly

As global energy demands surge, oil prices soar, and environmental concerns intensify, the world is turning to smarter, cleaner alternatives. Among all renewable sources, solar energy stands out—versatile, scalable, and sustainable. Businesses across sectors are embracing solar not just as a power source, but as a strategic investment in a greener future.

Aligned with India's Green Vision

At Polycab, we are proud to support India's renewable energy mission. Since entering the solar sector in 2016, we have built a robust portfolio of solar solutions that align with the Ministry of New and Renewable Energy (MNRE) and Government of India's ambitious targets:

- **PM Surya Ghar:** Muft Bijli Yojana – Supporting rooftop solar adoption across 1 crore households by 2027
- **PM-KUSUM:** Solarizing agriculture and empowering farmers
- **National Solar Mission:** Contributing to India's goal of 500 GW non-fossil capacity by 2030
- **Solar Systems, Devices, and Components Goods Order, 2025:** Ensuring BIS-certified, high-efficiency solar products

Comprehensive Solar Product Portfolio

Polycab offers a full suite of solar solutions, all compliant with MNRE and BIS standards:

- **Solar DC & AC Cables** – TÜV Rheinland certified, compliant with EN 50618, IEC 62930, and 2Pfg 1169/08.2007
- **On-Grid Solar Inverters** – Ranging from 1 kW to 350 kW, BIS certified, proudly Make in India
- **BOS Components** – Including ACDB, DCDB, lugs, and connectors, all tested for long-term durability



Hybrid & BESS Innovation

Polycab Solar is leading the charge in next-generation Hybrid Solar and Battery Energy Storage Solutions (BESS), delivering 24/7 clean energy for residential, commercial, and utility-scale applications. Our roadmap includes:

- AC/DC-coupled hybrid inverters
- Modular lithium-based BESS units (100 kWh to multi-MWh)
- Smart EMS systems for load optimization and backup power

Fully aligned with MNRE mandates and BIS standards, our solutions support national programs like PM Surya Ghar, PLI, and Energy Storage Obligations. With Make in India manufacturing, global certifications, and strong R&D partnerships, Polycab is powering the future with intelligent, sustainable energy systems.

Service Team – Support That Shines

We believe that great products deserve exceptional service. Our dedicated Solar Service Team ensures:

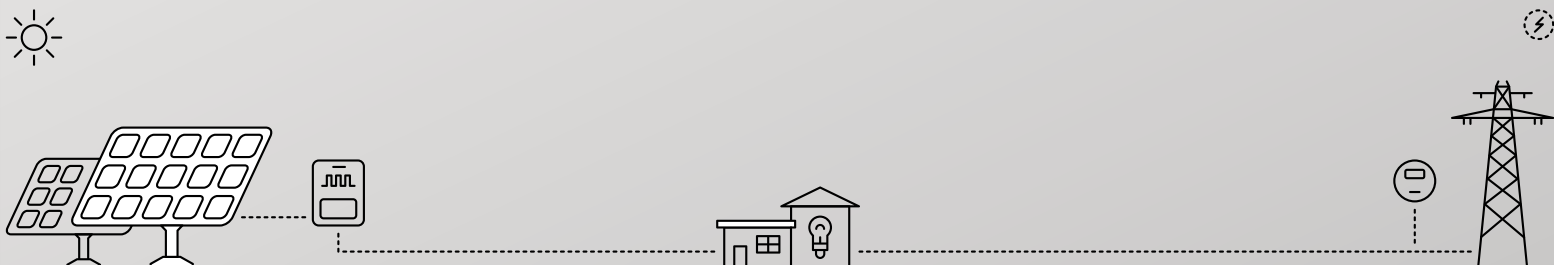
- Pan-India Coverage with trained engineers and technicians
- Customer Support for technical assistance and troubleshooting
- Quick Response Time for on-site service and maintenance
- Installation & Commissioning Support for EPCs and system integrators
- Performance Monitoring & Optimization for long-term system health

Our service team is not just reactive—but proactive. We work closely with clients to ensure maximum uptime, better generation, and long-term reliability of every Polycab Solar installation.

Global Reach and Local Strength

With a strong network of branches, warehouses, and distributors across India—and a growing international presence—Polycab Solar ensures seamless delivery, service, and support. Our products are trusted by leading EPCs, system integrators, and end users, with repeat orders reflecting our commitment to quality and reliability.

With cutting-edge technology, certified products, and a service-first mindset, Polycab Solar is building a future where every ray of sunlight powers progress.



Solar Grid Tie Inverter

Single Phase

1 to 6.6 kW



Ratings	1 kW, 2 kW, 3 kW, 3.6 kW, 4 kW, 4.6 kW, 5 kW, 5.5 kW, 6 kW, 6.6 kW
Application	Residential Rooftop
Efficiency	
Max Efficiency	Up to 97.20%
EU Efficiency	Up to 96.2%
Product Specifications	
No. of MPPT	1 / 2
Max. PV Configuration (STC)	150%
Max. Input Current	20A
Rated AC Voltage (Output)	220V/230V/240V, L+N+PE
Certifications	
IEC Standard	IEC 62109-1, IEC 62109-2 , IEC 61727, IEC 62116 , IEC 61683, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-30
BIS Standard	IS 16169, IS 16221, IS 17980
Smart Features	
	Maximum String Current
	Compatible with High Power TOPCon Modules 600W+
	Compatible with Wide Power Grid Voltage and High Harmonic Power Grid Environment
	Wi-Fi Connectivity
	Remote Monitoring via App/Web
Ingress Protection (IP) Rating	IP66 for outdoor use
Warranty	
Standard	8 Years
Extended Warrantaty	Upto 10 Years



Solar Grid Tie Inverter Three Phase 5 to 30 kW

Ratings	5 kW, 6 kW, 8 kW, 10 kW, 12 kW, 15 kW, 20 kW, 25 kW, 30 kW
Application	Residential & Small Commercial Rooftop Projects
Efficiency	
Max Efficiency	Up to 98.40%
EU Efficiency	Up to 98.00%
Product Specifications	
No. of MPPT	1 & 2
Max. PV Configuration (STC)	150%
Max. Input Current	Up to 40A
Rated AC Voltage (Output)	380V/400V/415V, 3W+N+PE
Certifications	
IEC Standard	IEC 62109-1, IEC 62109-2, IEC 61727, IEC 62116, IEC 61683, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-30
BIS Standard	IS 16169, IS 16221, IS 17980
Smart Features	
	Compatible with High Power TOPCon Modules 600W+
	Compatible with Wide Power Grid Voltage and High Harmonic Power Grid Environment
	Remote Configuration & Upgrade
	Wi-Fi Connectivity
	Remote Monitoring via App/Web
Ingress Protection (IP) Rating	IP66 for outdoor use
Warranty	
Standard	8 Years
Extended Warranty	Upto 10 Years

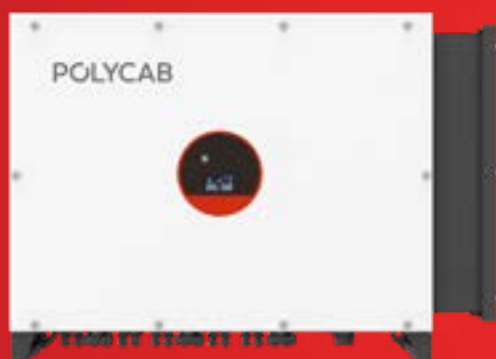
Solar Grid Tie Inverter

Three Phase

40 to 75 kW



Ratings	40 kW, 50 kW, 60 kW, 75 kW
Application	Commercial & Industrial Projects
Efficiency	
Max Efficiency	Up to 98.30%
EU Efficiency	Up to 97.90%
Product Specifications	
No. of MPPT	3 / 4
Max. PV Configuration (STC)	150%
Max. Input Current	Up to 64A
Rated AC Voltage (Output)	380V/400V/415V, 3W+N+PE
Certifications	
IEC Standard	IEC 62109-1, IEC 62109-2, IEC 61727, IEC 62116, IEC 61683, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-30
BIS Standard	IS 16169, IS 16221, IS 17980
Smart Features	
	Supports 50% DC Overload
	Intelligent Fan Cooling, String Monitoring
	Compatible with Wide Power Grid Voltage and High Harmonic Power Grid Environment
	Integrated DC disconnect switches
	Smart I-V Curve Diagnosis
	Supports aluminium wire access to reduce cost
	RS-485, Wi-Fi / GPRS monitoring interface, Remote Monitoring via App/Web
Ingress Protection (IP) Rating	IP66 for outdoor use
Warranty	
Standard	8 Years
Extended Warranty	Upto 10 Years



Solar Grid Tie Inverter Three Phase 100 to 125 kW

Ratings	100 kW, 110 kW, 125 kW
Application	Commercial & Industrial Projects
Efficiency	
Max Efficiency	Up to 98.20%
EU Efficiency	Up to 98.00%
Product Specifications	
No. of MPPT	8 / 9
Max. PV Configuration (STC)	150%
Max. Input Current	Up to 40A
Rated AC Voltage (Output)	400V, 3W+N+PE
Certifications	
IEC Standard	IEC 62109-1, IEC 62109-2, IEC 61727, IEC 62116, IEC 61683, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-30
BIS Standard	IS 16169, IS 16221, IS 17980
Smart Features	
	Supports 50% DC Overload
	Intelligent Fan Cooling, String Monitoring
	Compatible with Wide Power Grid Voltage and High Harmonic Power Grid Environment
	Integrated DC Disconnect Switches
	Smart I-V Curve Diagnosis
	Supports Aluminium Wire Access to Reduce Cost
	Remote Monitoring via App/Web
Ingress Protection (IP) Rating	IP66
Warranty	
Standard	8 Years
Extended Warranty	Upto 10 Years

Utility Series

Solar Grid Tie Inverter

350 kW



Ratings	350 kW
Application	Large Utility-Scale, Ground Mounted PV Plants
Efficiency	
Max Efficiency	Up to 99.01%
EU Efficiency	Up to 98.80%
Product Specifications	
No. of MPPT	12 / 15
Max. PV Configuration (STC)	150%
Max. Input Current	40A / 30A
Rated AC Voltage (Output)	800V, 3L / PE
Certifications	
IEC Standard	CEA:2007, CEA:2019, EN 50530, IEC 61683, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-30, IEC 60068-2-64, IEC 62891, IEC 62109-1, IEC 62109-2, IEC 61727, IEC 62116, IEC 61000
Smart Features	Compatible with all types of Solar Modules & Thin-film Modules Anti-PID and PID recovery High-speed Power Line Communication (HPLC) for reduced wiring costs Reactive power compensation at night Full power operation at high temperatures: 352kW@40°C, 320kW@45°C Stable operation under weak grid conditions: SCR≥1.2 Dynamic reactive power response <30ms Wi-Fi Connectivity Remote Monitoring via App/Web
Ingress Protection (IP) Rating	IP66 for outdoor use
Warranty	
Standard	5 Years
Extended Warrantly	Upto 10 Years



Solar Distribution Boxes Single & Three Phase AC / DC DB 1 to 10 kW

Application	Residential Solar Projects
Product Specifications	For 1 Phase Inverters 1 to 6kW For 3 Phase Inverters 5 to 10kW
Features	Easy Installation & Service Word Class Quality PC Transparent Enclosure with Hinges UV Resistance
Safety & Protection	Surge Voltage Protection Short Circuit & Overload Protection Copper Wire with FRLS Insulation IP67 Rated Enclosure
Warranty	
Product Warranty	2.5 Years

SOLAR PV IS 17293

Photovoltaic Power Cable, Halogen Free Low Smoke



Application	Suitable for permanent outdoor use under variable climatic conditions for photovoltaic installation at the direct current side
Voltage	1500 V DC
Operation Temperature	-40 TO + 90°C
Bending Radius	
	For fixed installation : >6D
	For occasional moved : >8D
Outstanding Feature	
	Halogen Free
	Electron Beam Cross-linked
	Flame retardant
	High life
	Flexibility
	UV,Ozone resistant
	Hydrolysis resistant
	High temprature resistant
Construction	
Conductor	Tinned copper conductor as per IS 8130 , class 5
Insulation	E-Beam cross linkable halogen free & flame-retardant compound (XLPO) , Colour : Natural
Sheath	E-Beam cross linkable halogen free & flame-retardant compound (XLPO) , Colour : Black & Black with red strip
Test Voltage	6.5kv AC 50Hz
Compliance	
Applicable standards	IS 17293, IS 8130
Vertical flame test	IS 10810-53
Accreditation And Approvals	NABL, FQC, CE, ROHS, REAC, TUV



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