

**POLYCAB**  
SOLAR

# EVERYTHING UNDER THE SUN



Grid Tie Inverters | Hybrid Inverters | Utility Inverter | Solar Boxes | Solar DC Cables



## 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



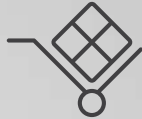
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# ABOUT POLYCAB



INDIA'S  
**NO. 1**  
WIRES & CABLES  
COMPANY\*



**26**  
MANUFACTURING  
FACILITIES



**90+**  
EXPORT PRESENCE  
IN COUNTRIES



## MANUFACTURING CAPACITY

- 6 Million Km Of Cables
- 9 Million Fans
- 24 Million Switchgears
- 12 Million Switches
- 2 Million Inverters
- 1.2 Million Solar Boxes

 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 JOURNEY

**POLYCAB**  
SOLAR

**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**

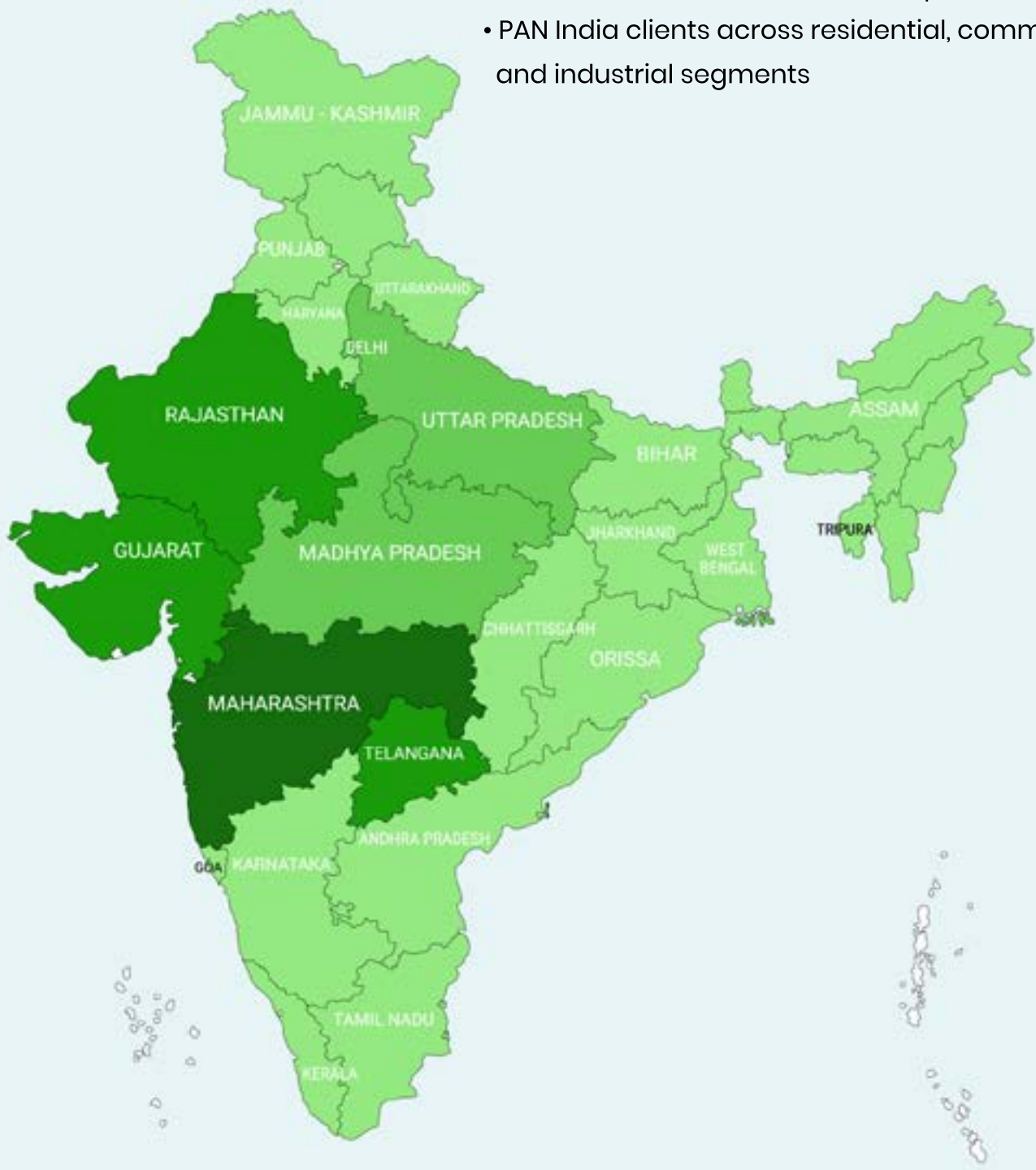
- Launched **350 kW Utility Inverter & Residential Solar Kits**

**2026**

- Expanded portfolio upto **20kW Hybrid Inverters with BESS Solutions**

## Polycab Inverter Footprint\*

- 5.2 GW inverter capacity supplied
- 9.7 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

## The Solar Revolution is Accelerating

Global solar capacity has tripled in record time, crossing the **3 TW** threshold, demonstrating the accelerating pace of the global energy transition. India has emerged as one of the **world's fastest-growing solar markets**, ranking among the **Top 5** countries globally in installed solar capacity.

### Key highlights of India's renewable energy transformation:

1. **400% surge** in Renewable Energy capacity over the last 12 years
2. **54.18%** of India's total installed power capacity comes from non-fossil fuel sources
3. Ranked **3rd globally** in Renewable Energy and Solar Power Capacity
4. **141 GW** installed capacity in 2026

While solar deployment continues to surge, the rapid expansion raises important questions around **energy storage, grid stability, and system reliability**, making energy storage a critical component of the future energy ecosystem.

## 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:

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

## Ready for PM Surya Ghar 2.0

With **50 lakh+** households already covered under the **PM Surya Ghar: Muft Bijli Yojana (PMSG : MBY)**, the Government has initiated discussions around Phase II initiatives aimed at accelerating adoption and strengthening the scheme's overall impact.

The MNRE is working on the policy framework for **PM Surya Ghar: Muft Bijli Yojana (PMSG : MBY) 2.0**, focusing on: Battery storage integration, Grid readiness, DISCOM preparedness, Improved consumer access, Asset performance monitoring, Financing mechanisms, Quality assurance, Long-term sustainability

**Polycab is ready with Hybrid & BESS solutions in line with PMSG:MBY 2.0, enabling seamless solar adoption while ensuring reliable and sustainable energy access.**



## 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 125 kW, BIS, IEC and BEE Certified

**BOS Components** – Including ACDB, DCDB CE Certified and lugs all tested for long-term durability

**Hybrid Inverters** – Ranging from 3kW – 20kW, BIS and IEC Certified

**Utility Inverters** – 350kW, IEC Certified

## 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.

## Energy Storage: The Missing Link

The dramatic decline in **Lithium-ion battery** costs over the past three decades has transformed large-scale energy storage from an expensive concept into a commercially viable solution.

As solar penetration increases, Battery Energy Storage Systems (BESS) are becoming critical for:

Enhancing grid stability, Improving energy reliability, Managing peak demand, Enabling round-the-clock clean energy availability

Maximizing renewable energy utilization

## Our Roadmap Includes:

AC/DC-coupled hybrid inverters, Modular lithium-based BESS units (5 kWh to 150 kWh), Smart EMS systems for load optimization and backup power

## Service Team – Support That Shines

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

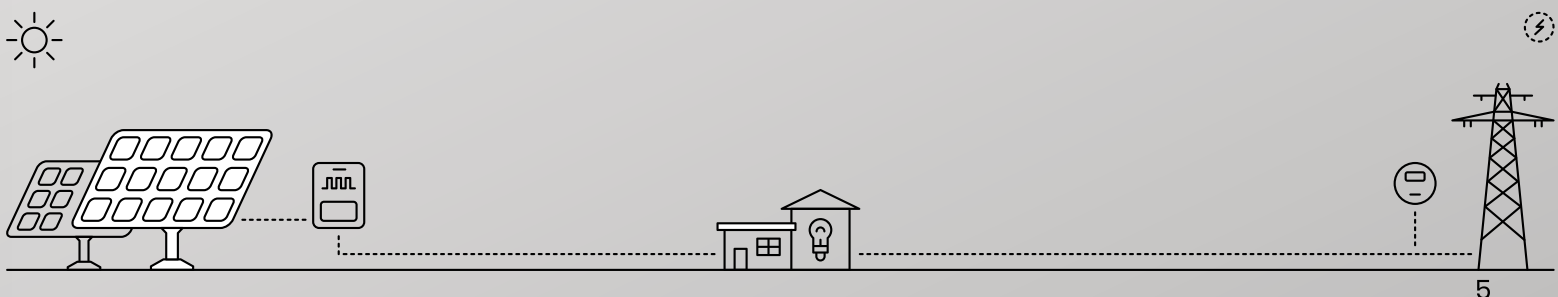
1. Pan-India Coverage with trained engineers and technicians
2. Customer Support for technical assistance and troubleshooting
3. Quick Response Time for on-site service and maintenance
4. Installation & Commissioning Support for EPCs and system integrators
5. Performance Monitoring & Optimization for 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.

## Reach and Local Strength

With a strong network of branches, warehouses, and distributors across India, 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, Hybrid & BESS innovation, and a service-first mindset, **Polycab Solar is building a future where every ray of sunlight powers progress while delivering reliable, sustainable, and round-the-clock clean energy solutions.**



# Solar Grid Tie Inverter

## Single Phase

### 1 to 6.6 kW



|                                       |                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Ratings</b>                        | 1 kW, 2 kW, 3 kW, 3.6 kW, 4 kW, 4.6 kW, 5 kW, 5.5 kW, 6 kW, 6.6 kW                                                      |
| <b>Application</b>                    | Residential Rooftop                                                                                                     |
| <b>Efficiency</b>                     |                                                                                                                         |
| Max Efficiency                        | Up to 97.20%                                                                                                            |
| EU Efficiency                         | Up to 96.2%                                                                                                             |
| <b>Product Specifications</b>         |                                                                                                                         |
| No. of MPPT                           | 1 / 2                                                                                                                   |
| Max. PV Configuration (STC)           | 150%                                                                                                                    |
| Max. Input Current                    | 20A                                                                                                                     |
| Rated AC Voltage (Output)             | 220V/230V/240V, L+N+PE                                                                                                  |
| <b>Certifications</b>                 |                                                                                                                         |
| 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                                                                                            |
| <b>Smart Features</b>                 |                                                                                                                         |
|                                       | 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                                                                                           |
| <b>Ingress Protection (IP) Rating</b> | IP66 for outdoor use                                                                                                    |
| <b>Warranty</b>                       |                                                                                                                         |
| Standard                              | 8 Years                                                                                                                 |
| Extended Warrantly                    | Upto 10 Years                                                                                                           |

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## Solar Grid Tie Inverter Three Phase 5 to 30 kW

|                                       |                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Ratings</b>                        | 5 kW, 6 kW, 8 kW, 10 kW, 12 kW, 15 kW, 20 kW, 25 kW, 30 kW                                                              |
| <b>Application</b>                    | Residential & Small Commercial Rooftop Projects                                                                         |
| <b>Efficiency</b>                     |                                                                                                                         |
| Max Efficiency                        | Up to 98.40%                                                                                                            |
| EU Efficiency                         | Up to 98.00%                                                                                                            |
| <b>Product Specifications</b>         |                                                                                                                         |
| 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                                                                                                 |
| <b>Certifications</b>                 |                                                                                                                         |
| 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                                                                                            |
| <b>Smart Features</b>                 |                                                                                                                         |
|                                       | 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                                                                                           |
| <b>Ingress Protection (IP) Rating</b> | IP66 for outdoor use                                                                                                    |
| <b>Warranty</b>                       |                                                                                                                         |
| Standard                              | 8 Years                                                                                                                 |
| Extended Warranty                     | Upto 10 Years                                                                                                           |

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# Solar Grid Tie Inverter

## Three Phase

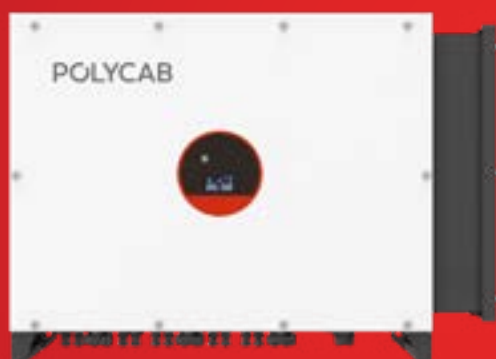
### 40 to 75 kW



|                                       |                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Ratings</b>                        | 40 kW, 50 kW, 60 kW, 75 kW                                                                                                |
| <b>Application</b>                    | Commercial & Industrial Projects                                                                                          |
| <b>Efficiency</b>                     |                                                                                                                           |
| Max Efficiency                        | Up to 98.30%                                                                                                              |
| EU Efficiency                         | Up to 97.90%                                                                                                              |
| <b>Product Specifications</b>         |                                                                                                                           |
| 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                                                                                                   |
| <b>Certifications</b>                 |                                                                                                                           |
| 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                                                                                              |
| <b>Smart Features</b>                 |                                                                                                                           |
|                                       | 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                                                   |
| <b>Ingress Protection (IP) Rating</b> | IP66 for outdoor use                                                                                                      |
| <b>Warranty</b>                       |                                                                                                                           |
| Standard                              | 8 Years                                                                                                                   |
| Extended Warrantaty                   | Upto 10 Years                                                                                                             |

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## Solar Grid Tie Inverter Three Phase 100 to 125 kW

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ratings</b>                        | 100 kW, 110 kW, 125 kW                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Application</b>                    | Commercial & Industrial Projects                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Efficiency</b>                     |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Max Efficiency                        | Up to 98.20%                                                                                                                                                                                                                                                                                                                                                                                         |
| EU Efficiency                         | Up to 98.00%                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Product Specifications</b>         |                                                                                                                                                                                                                                                                                                                                                                                                      |
| No. of MPPT                           | 8 / 9                                                                                                                                                                                                                                                                                                                                                                                                |
| Max. PV Configuration (STC)           | 150%                                                                                                                                                                                                                                                                                                                                                                                                 |
| Max. Input Current                    | Up to 40A                                                                                                                                                                                                                                                                                                                                                                                            |
| Rated AC Voltage (Output)             | 400V, 3W+N+PE                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Certifications</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Smart Features</b>                 | <ul style="list-style-type: none"> <li>Supports 50% DC Overload</li> <li>Intelligent Fan Cooling, String Monitoring</li> <li>Compatible with Wide Power Grid Voltage and High Harmonic Power Grid Environment</li> <li>Integrated DC Disconnect Switches</li> <li>Smart I-V Curve Diagnosis</li> <li>Supports Aluminium Wire Access to Reduce Cost</li> <li>Remote Monitoring via App/Web</li> </ul> |
| <b>Ingress Protection (IP) Rating</b> | IP66                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Warranty</b>                       |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Standard                              | 8 Years                                                                                                                                                                                                                                                                                                                                                                                              |
| Extended Warranty                     | Upto 10 Years                                                                                                                                                                                                                                                                                                                                                                                        |

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# Solar Hybrid Inverter

## Single Phase

### 3kW to 6 kW



|                                            |                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ratings</b>                             | 3kW, 3.6kW, 5kW, 6kW                                                                                                                                                                                                                                                                                                                               |
| <b>Application</b>                         | Residential Projects                                                                                                                                                                                                                                                                                                                               |
| <b>Efficiency</b>                          |                                                                                                                                                                                                                                                                                                                                                    |
| Max Efficiency                             | Up to 97.6%                                                                                                                                                                                                                                                                                                                                        |
| EU Efficiency                              | Up to 96.2%                                                                                                                                                                                                                                                                                                                                        |
| <b>Product Specifications</b>              |                                                                                                                                                                                                                                                                                                                                                    |
| No. of MPPT                                | 1 / 2                                                                                                                                                                                                                                                                                                                                              |
| Max. PV Configuration (STC)                | 200%                                                                                                                                                                                                                                                                                                                                               |
| Max. Input Current                         | per MPPT 20A                                                                                                                                                                                                                                                                                                                                       |
| <b>Certifications</b>                      |                                                                                                                                                                                                                                                                                                                                                    |
| IEC Standard                               | IEC 62109, IEC 50530, IEC 62891, IEC 61727, IEC 62116, IEC 60068, IEC 61683, IEC 61000                                                                                                                                                                                                                                                             |
| BIS Standard                               | IS 16169, IS 16221, IS 17980                                                                                                                                                                                                                                                                                                                       |
| <b>Smart Features</b>                      | 3-in-1 Port: Generator, Smart Loads & On-grid Inverter<br>Micro-grid Operation with PV Inverter<br>Supports On and Off-Grid Parallel Operation of up to 6 units<br>Max. 20A DC Input Current per String<br>200% PV Input Oversizing<br>Smart Load Control<br>Seamless Switching to Backup <4ms<br>Compatible with both Lithium/Lead-acid batteries |
| <b>Ingress Protection (IP) Rating</b>      | IP66                                                                                                                                                                                                                                                                                                                                               |
| <b>Warranty</b>                            |                                                                                                                                                                                                                                                                                                                                                    |
| Polycab Inverter + Polycab Battery - Combo | 10 Years                                                                                                                                                                                                                                                                                                                                           |
| Polycab Inverter + 3rd Party Battery       | 5 Years                                                                                                                                                                                                                                                                                                                                            |

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## Solar Hybrid Inverter Three Phase 5kW to 20 kW

|                                            |                                                                                                                                                                                                                                                                      |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ratings</b>                             | 5kW, 8kW, 10kW, 15kW, 20kW                                                                                                                                                                                                                                           |
| <b>Application</b>                         | Commercial and Residential                                                                                                                                                                                                                                           |
| <b>Efficiency</b>                          |                                                                                                                                                                                                                                                                      |
| Max Efficiency                             | Up to 97.9%                                                                                                                                                                                                                                                          |
| EU Efficiency                              | Up to 97.4%                                                                                                                                                                                                                                                          |
| <b>Product Specifications</b>              |                                                                                                                                                                                                                                                                      |
| No. of MPPT                                | 2, 3, 4                                                                                                                                                                                                                                                              |
| Max. PV Configuration (STC)                | 200%                                                                                                                                                                                                                                                                 |
| Max. Input Current                         | per MPPT 20A                                                                                                                                                                                                                                                         |
| <b>Certifications</b>                      |                                                                                                                                                                                                                                                                      |
| IEC Standard                               | IEC 62109, IEC 50530, IEC 62891, IEC 61727, IEC 62116, IEC 60068, IEC 61683, IEC 61000                                                                                                                                                                               |
| BIS Standard                               | IS 16169, IS 16221, IS 17980                                                                                                                                                                                                                                         |
| <b>Smart Features</b>                      | Unbalanced Output up to 150%<br>Compatible with both Lithium/Lead-acid batteries<br>Type II SPD on both DC & AC sides<br>20A per String & 200% PV Oversizing<br>Dual independent battery inputs with 416A<br>Smart Load Control<br>Seamless Switching to Backup <4ms |
| <b>Ingress Protection (IP) Rating</b>      | IP66                                                                                                                                                                                                                                                                 |
| <b>Warranty</b>                            |                                                                                                                                                                                                                                                                      |
| Polycab Inverter + Polycab Battery - Combo | 8 Years                                                                                                                                                                                                                                                              |
| Polycab Inverter + 3rd Party Battery       | 5 Years                                                                                                                                                                                                                                                              |

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# Battery Storage Solution

## Low Voltage

### 5 kWh



|                                                             |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                                                | PHLVB-5K-AG3                                                                                                                                                                                                                                                                                                                                            |
| <b>Application</b>                                          | On Grid / On Grid + Backup / Off Grid                                                                                                                                                                                                                                                                                                                   |
| <b>Cell Type</b>                                            | LFP (LiFePO4)                                                                                                                                                                                                                                                                                                                                           |
| <b>Operating Voltage Range (V)</b>                          | 43.20 ~ 58.24                                                                                                                                                                                                                                                                                                                                           |
| <b>Nominal Discharge Current (A)</b>                        | 100                                                                                                                                                                                                                                                                                                                                                     |
| <b>Scalability</b>                                          | Max. 30 in Parallel (150kWh) (Hand to Hand / Combiner Box / Busbar)                                                                                                                                                                                                                                                                                     |
| <b>Mounting Method</b>                                      | Wall-Mount                                                                                                                                                                                                                                                                                                                                              |
| <b>Certifications</b>                                       |                                                                                                                                                                                                                                                                                                                                                         |
| IEC Standard                                                | IEC 62619, IEC 63056, IEC 60730, EN IEC 61000, UN38.                                                                                                                                                                                                                                                                                                    |
| <b>Smart Features</b>                                       | <p>Continuous Discharge Current of up to 150A</p> <p>Reliable LFP Technology with High Cycle Stability</p> <p>Long Life Cycle, &gt;6000 Times (70% EOL)</p> <p>Compact and Light Weight Design</p> <p>Multiple Installation Methods Supported for Expansion</p> <p>Remote Diagnosis &amp; Update Via Inverter</p> <p>Auto Reboot after Undervoltage</p> |
| <b>Warranty</b>                                             |                                                                                                                                                                                                                                                                                                                                                         |
| Applicable with a combo of Polycab 1-Phase Hybrid Inverters | 10 Years                                                                                                                                                                                                                                                                                                                                                |
| Applicable with a combo of Polycab 3-Phase Hybrid Inverters | 8 Years                                                                                                                                                                                                                                                                                                                                                 |

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## Utility Series Solar Grid Tie Inverter 350 kW

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

For more technical details,  
scan the QR code



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



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

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# SOLAR PV IS 17293

## Photovoltaic Power Cable, Halogen Free Low Smoke

|                                    |                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>                 | Suitable for permanent outdoor use under variable climatic conditions for photovoltaic installation at the direct current side                                                                                                                                   |
| <b>Voltage</b>                     | 1500 V DC                                                                                                                                                                                                                                                        |
| <b>Operation Temperature</b>       | -40 TO + 90°C                                                                                                                                                                                                                                                    |
| <b>Bending Radius</b>              |                                                                                                                                                                                                                                                                  |
|                                    | For fixed installation : >6D                                                                                                                                                                                                                                     |
|                                    | For occasional moved : >8D                                                                                                                                                                                                                                       |
| <b>Outstanding Feature</b>         | <ul style="list-style-type: none"> <li>Halogen Free</li> <li>Electron Beam Cross-linked</li> <li>Flame retardant</li> <li>High life</li> <li>Flexibility</li> <li>UV,Ozone resistant</li> <li>Hydrolysis resistant</li> <li>High temprature resistant</li> </ul> |
| <b>Construction</b>                |                                                                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                                                                    |
| <b>Compliance</b>                  |                                                                                                                                                                                                                                                                  |
| Applicable standards               | IS 17293, IS 8130                                                                                                                                                                                                                                                |
| Vertical flame test                | IS 10810-53                                                                                                                                                                                                                                                      |
| <b>Accreditation And Approvals</b> | NABL, FQC, CE, ROHS, REAC, TUV                                                                                                                                                                                                                                   |

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# MAJOR INSTALLATIONS

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SOLAR



## NOTES

# POLYCAB

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Corporate Office

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POLYCAB INDIA LIMITED

#29, The Ruby, 21st Floor, Senapati Bapat Marg, Tulsi Pipe Road,  
Dadar (West), Mumbai - 400 028, Maharashtra (India)

Ph.: +91-22-2432 7070/7, 6735 1400

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✉ [solar@polycab.com](mailto:solar@polycab.com)

| ☎ 1800 267 0008

| 🌐 [www.polycab.com](http://www.polycab.com)

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