

NWISE **SOLAR**

a subsidiary of **Enwise Global Solutions**

*On-Grid & Hybrid Solar
Installation Company*

Channel Partner



GOVERNMENT OF INDIA
MINISTRY OF NEW
AND RENEWABLE ENERGY

GRID CONNECTED SOLAR ROOF-TOP PROGRAMME

www.enwisesolar.com

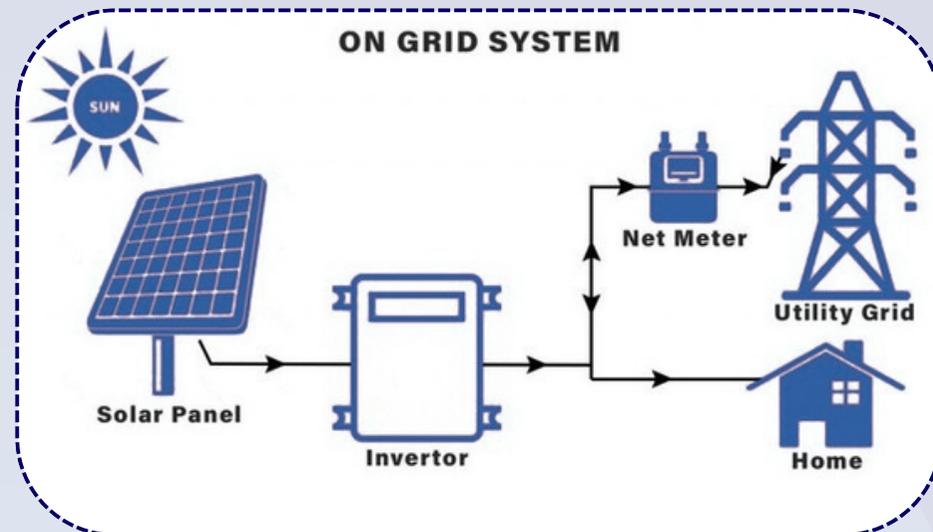
ABOUT THE COMPANY

At ENWISE, we believe in a brighter, cleaner future powered by the sun. Established in 2023, ENWISE has quickly grown into a trusted name in the solar energy sector, specializing in high-quality rooftop solar solutions. What started as a small initiative driven by a passion for sustainability has now evolved into a full-fledged solar energy company, committed to delivering smart and efficient energy alternatives to homes and businesses alike.

Over the past three years, we've successfully completed over 250 rooftop solar installations, each tailored to meet the specific needs of our clients. Our work speaks for itself, a growing community of fully satisfied customers across the region is a testament to our dedication and reliability. We take pride not only in the number of projects we've completed but also in the long-term value we've created for our clients through reduced electricity costs and a positive environmental impact.

Behind every successful project is our dedicated team of professionals who bring their expertise, passion, and innovation to every step of the process – from consultation to installation and after-sales service. At ENWISE, we are more than just a service provider; we are partners in our clients journey towards energy independence. As we look ahead, our mission remains clear: to continue leading the transition to clean energy, one rooftop at a time.

ON-GRID SOLAR POWER SYSTEM

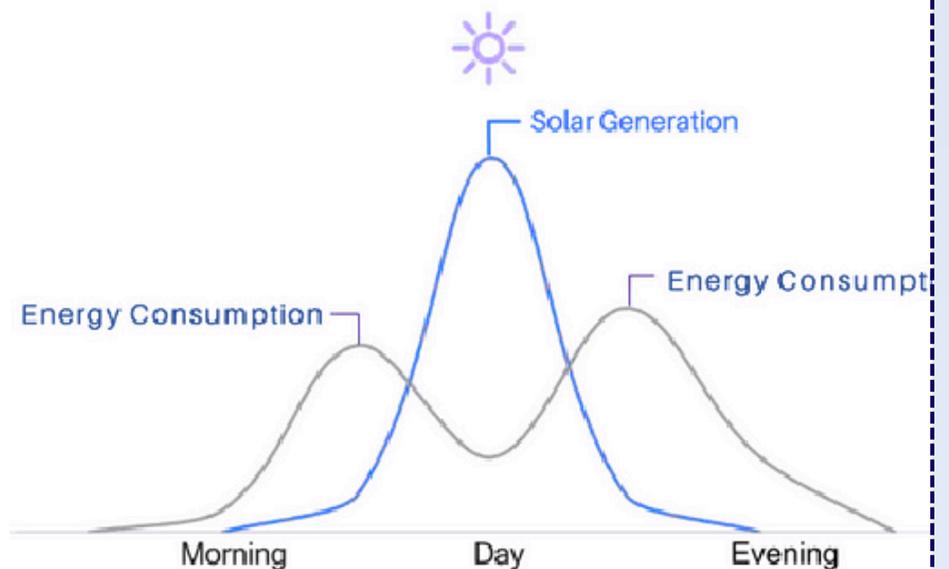


ENERGY STORAGE SYSTEMS

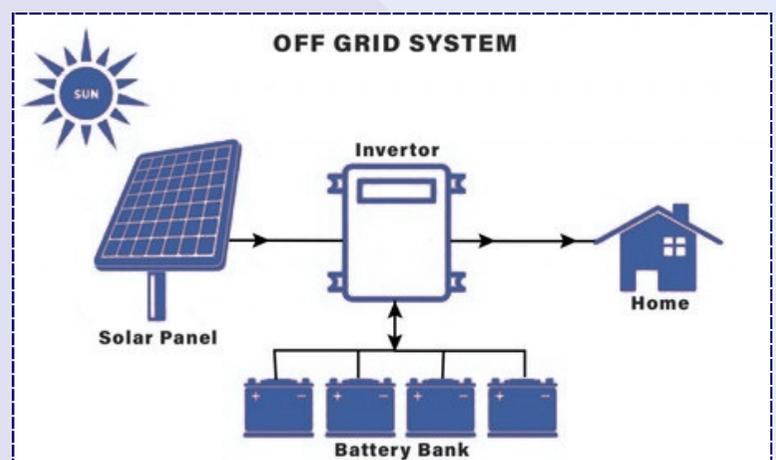
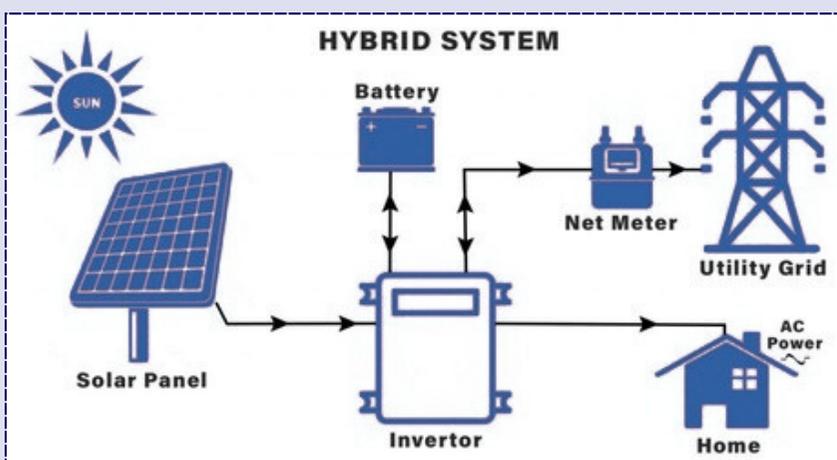
Hybrid (OnGrid + OffGrid)

Why need Battery Storage System?

High energy demand in the morning and evening
But solar generation is most sufficient during the Mid-Day
Battery storage system balance the feeding and demands



High-efficiency for your power distribution
Cut and save your electricity bills



Govt. MNRE Solar Subsidy Scheme

PM - SURYA GHAR: MUFT BIJLI YOJANA National Portal

System Capacity	MNRE GOVT. SUBSIDY AMOUNT	Generation
2 kW	INR 60,000	9 Units/ Day
3 kW	INR 78,000	15 Units/ Day
4 kW	INR 78,000	19 Units/ Day
5 kW	INR 78,000	25 Units/ Day
6 kW	INR 78,000	32 Units/ Day
8 kW	INR 78,000	40 Units/ Day
10 kW	INR 78,000	50 Units/ Day



Website : <https://pmsuryaghar.gov.in/>

TOPCON & BIFACIAL SOLAR PANELS



12 Years
Product Warranty



30 Years*
Product Warranty



EFFICIENCY
21-23 % Module Efficiency



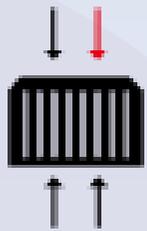
EXCELLENT LOW LIGHT PERFORMANCE
Be it early morning, cloud or dusk, the mono-facial modules perform even at low light conditions, due to the use of Mono-PERC cell technology



REDUCTION IN HOTSPOT TEMPERATURES
Decline in heat production reduces chances of hot spot generation in shade conditions. Lower heat production positively affects module longevity



ELECTRICITY OUTPUT
Gain up to 30% more electricity output with reflected light!

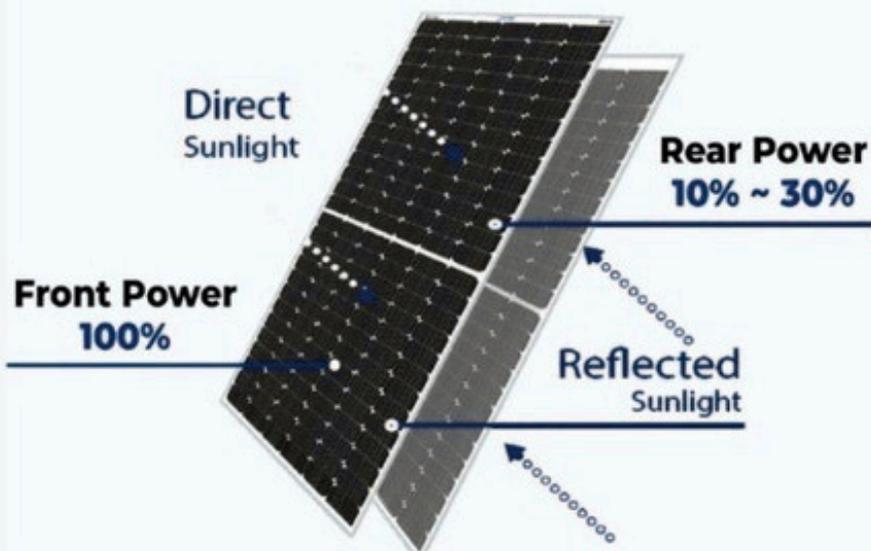


Half-cut Module Technology



Bifacial PV

Generate Power from Both Side



Available in
Mono PERC
&
N-Type
TOPCon

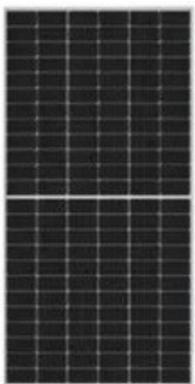
Gain up to 30% more electricity output with reflected light!

Best Solar Panels

DCR Approved Panels

* (DCR) Domestic Content Requirement for Subsidy Projects

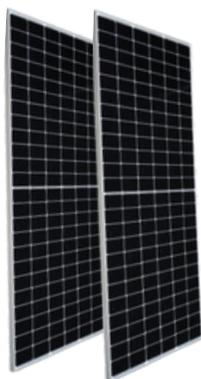
Premier Energies



530 - 650 Watt

Indian Brand

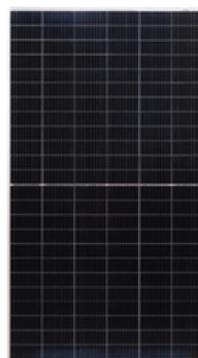
adani Solar



530 - 650 Watt

Indian Brand

vikram solar



530 - 650 Watt

Indian Brand

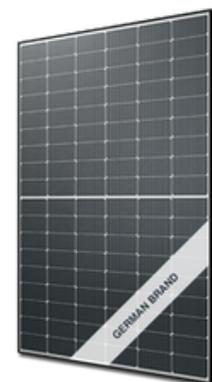
WAAREE®



530 - 650 Watt

Indian Brand

AXITEC
high quality german solar brand



530 - 650 Watt

German Brand

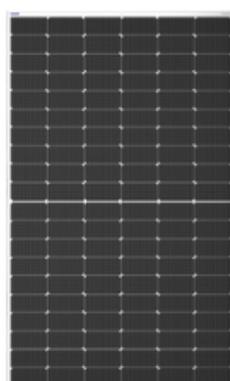
RenewSys
let there be light



530 - 650 Watt

Indian Brand

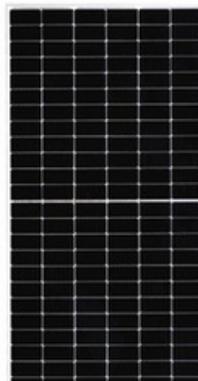
GOLDI SOLAR



530 - 650 Watt

Indian Brand

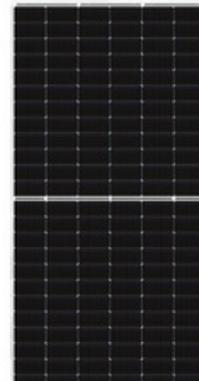
SAATVIK



530 - 650 Watt

Indian Brand

RAYZON SOLAR



530 - 650 Watt

Indian Brand

ANCHOR
by Panasonic



530 - 650 Watt

Indian Brand



WARRANTY
12-year of product
30-year of power output



EFFICIENCY
UP TO 23.30%



TEMPERATURE
COEFFICIENT -0.29 %/°C

Best Solar Inverters



Single Phase | Three Phase



Single Phase | Three Phase



Single Phase | Three Phase



TL-X | TL3-X/XH



18Amp/ 20 Amp Inverter



Single Phase | Three Phase

Best Solar Inverters



PRIMO | SYMO

Made in Austria



UNO | TRIO

Made in Italy



Single Phase | Three Phase



Single Phase | Three Phase



Single Phase | Three Phase



Single Phase | Three Phase

Best Solar Inverters



American Brand

The IQ8 Series Microinverters

The brains behind the panel.



IQ8HC



IQ8P



IQ RELAY

Enphase

15

year limited warranty

Extendable up to 25 years



Real-Time Energy Monitoring

Enphase sends system production and consumption to the Enphase App. Discover panel-level detail with the tap of a finger.



IQ Microinverter Design

IQ Microinverter design provides better performance, reliability, and resilience for each individual panel on your roof.



Certified for Rain or Shine

All IQ Microinverters are all-weather with an IP67 certification



Safety First

The Enphase IQ Microinverter design is the safest choice for solar. Unlike systems with a central inverter, Enphase solar never contains high-voltage direct current (DC) power, eliminating the risk of DC arc fault fires.



Industry-Leading Warranty

Enphase IQ8 Series Microinverters are covered by a 15-year limited warranty, extendable to 20 or 25 years.

Enphase Energy Solar Storage System

IQ Battery 5P

IQ Battery 5P all-in-one AC-coupled system is powerful, reliable, simple, and safe. It has a total usable energy capacity of 5.0 kWh and includes six embedded IQ8D-BAT Microinverters providing up to 3.84 kVA continuous power rating. It provides backup capability. Installers can quickly design the system size as per the requirements.



Enphase IQ Batteries



The Enphase IQ Battery 5P all-in-one AC-coupled storage system is the most powerful battery in the Solar Industry

- It has a total usable energy capacity of 5.0 kWh and includes six embedded grid-forming microinverters and 3.84 kW of continuous power, as well as peak output current of 33.4 A for 3 seconds and 26.7 A for 10 seconds.
- Easily integrating with the Enphase Energy System, the IQ Battery 5P can provide backup capability when installed with IQ System Controller 3 INT, and is supported by a 15-year limited warranty.
- Its modular design means installers can quickly design the right system size to meet the needs of both new and retrofit customers.

Powerful

• Provides 3.84 kVA continuous power
• Includes six embedded IQ8D-BAT Microinverters

• 15-year limited warranty

- Passive cooling with no moving parts or fans
- Wired communication for stable, fast connection
- Remote software and firmware updates

Simple

- Integrated AC Battery system
- Quick installation and commissioning
- Supports Backup, Self-Consumption, and TOU modes
- Remote monitoring via Enphase App
- Field replaceable components

Safe

- Meets UL 9540A thermal runaway fire standards
- Lithium iron phosphate (LFP) chemistry for safety and longevity

Enphase Energy Solar Storage System

Step into Tomorrow

The Complete Home Energy Management System

IQ 8 Microinverters

The **Brains** Behind the Panel

- Panel-level performance and intelligence
- Ready for today and tomorrow
- Industry-leading 15-year limited warranty



Enphase App
Power in the Palm of your Hands

- Monitor your system status from anywhere
- Turn power-hungry appliances in and off
- Track how much energy you've made, used, and stored.

IQ System Controller

The **Heart** of the Enphase Energy System

- Advanced grid-forming technology
- Connects your home to the grid, solar, and storage
- Detects power cuts automatically
- Provides near seamless transition to backup (<120 ms)



IQ Battery 5P

More **Power** per kWh than Batteries twice its Size

- Integrated with six smart IQ Microinverters inside
- Store your power and use it when you need it
- Start and run your appliances
- Quick and easy plug and play installation



ENPHASE.

IQ Battery 5P



Enphase 15
year limited warranty

15-year limited warranty



550 mm



980 mm



188 mm

Best Solar Hybrid Inverters

Deye



3.6kW | 5kW | 8kW | 10kW | 12kW | 15kW

 **solis**



3kW | 5kW | 8kW | 10kW | 12kW | 15kW

 **STUDER**
SWISS
MADE



Autarky | Xtender

Swiss Made

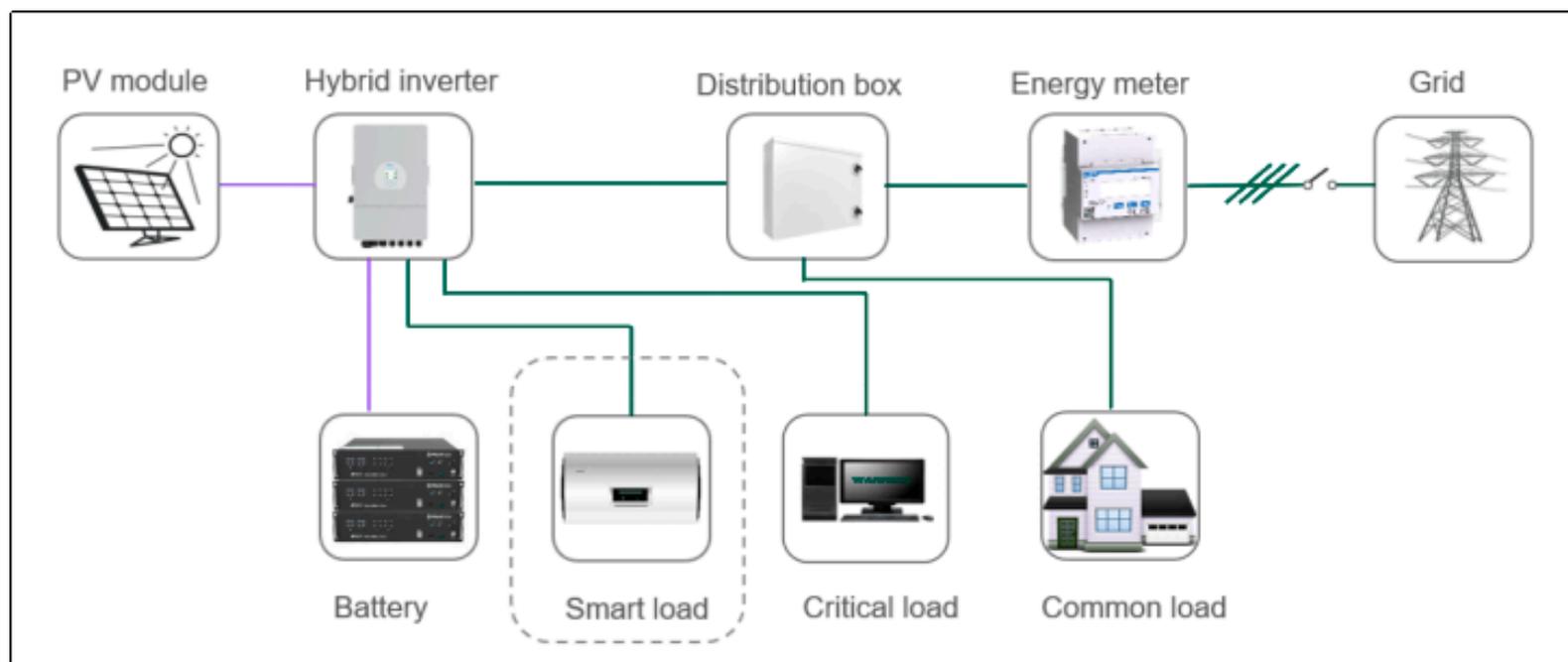
 **SOLINTEG**



5kW | 8kW | 10kW | 12kW | 15kW | 20kW

Hybrid Inverter & Lithium Battery

An on-grid inverter's main job is to convert DC power generated from the PV array into usable AC power. Hybrid inverters go a step further and work with batteries to store excess power as well. In the developing world, hybrid inverters are more of a necessity to compensate for weak or intermittent grids or a lack of grid electricity all together.



Lithium Battery



Over 6000 Cycles

Lithium Solar Batteries have the highest battery cycle life in the market. Your battery will be an effective investment that adds value to your home or business.



Designed for Solar Applications

LFP Technology allows you to run up to an impressive 150 amps continuously, even with just one cell, with peaks up to 300Amps, far enough to meet home, commercial standards.



-20°C to 60°C

-20°C to 60°C

The wide temperature tolerance means you can rest assured that the LiFePo4 Solar Battery will operate even in low and high ambient use.



On Grid, Off Grid or Hybrid

Energy storage is critical in Solar installations. Instead of simply sending power produced during daylight hours to the electrical grid, hybrid systems can store the energy produced for more flexible usage.



Extreme Safety

Extreme Safety

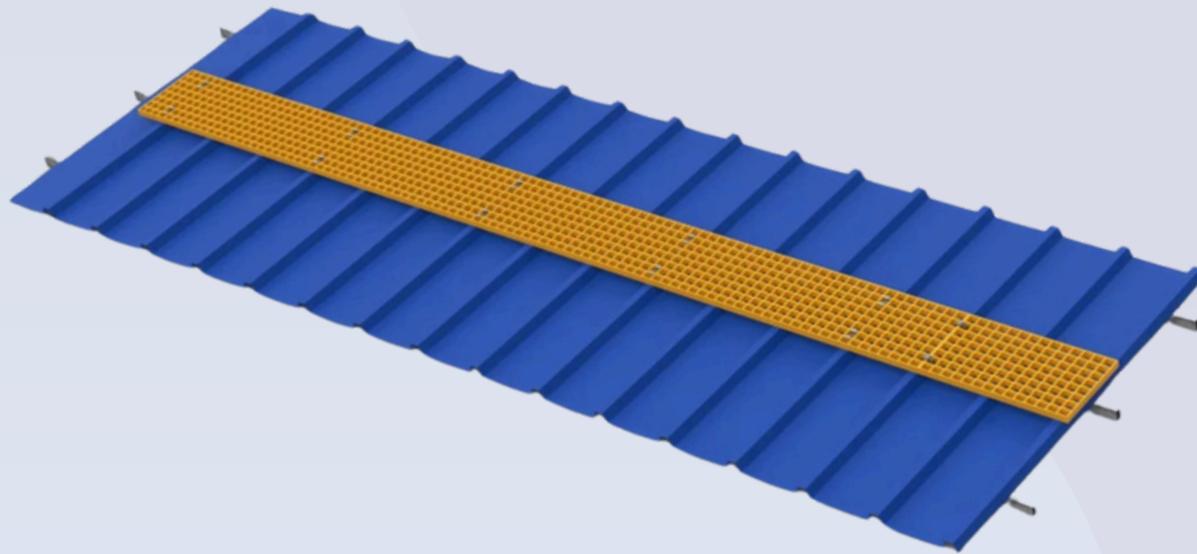
Lithium ion Solar Battery Products use Tier One, A+ LiFePO4 chemistry composition, also known as LFP (Lithium Ferro-Phosphate) , none of the toxicity or fire hazards of other Lithium technologies.



10 Years Warranty

10-year Product Warranty for Home Battery & Hybrid Battery Inverter.

High-Rise Elevated Structure



- **Rooftop** space utilization
- Improved **solar output**
- Reduced **shade losses** and thus increased **output** efficiency
- Increased **commercial value**: Gardening, cafeteria, relaxation
- **16 Guage, 14 Guage** Tata/Apollo/ Jindal GI/GP Pipes
- **Epoxy Coating** with Anti corrosion Paint



SPD | ACDB | DCDB



- Enclosure - Hensel 18Way IP65
- DC Fuses(+ve & -ve) - Mersen 20A 1000V -4 nos
- DC Isolator Salzer 1000V 32A -2 nos
- DC SPD - Citel Type II 1000V -2 nos
- Cable glands M25(VSM Plast) - 2nos,
- DC Cable (Leoni) - 4 sqmm
- Cable lugs (Ashwin)
- End clamp(Connect well)



- Enclosure - Hensel 18Way IP65
- DC Fuses(+ve & -ve) - Mersen 15A/ 20A/ 25A 1000V - 4 nos
- DC Isolator ABB OTDC 1000V 32A -2 nos
- DC SPD - Mersen Type II 1000V -2 nos



- The ABB OTDC series switch-disconnectors are expertly designed for PV applications and are most commonly used to isolate single strings or arrays of solar panels and battery banks.



- Type 1+2 AC Surge Protector Type 2 SPD



Best Solar Inverters

Wiring Material



PVC Pipe



PVC Bend
Elbow & Tee



PVC Saddle



Flexible Pipe



UV Cable Tie
SS Cable Tie



Lugs



AC Cable



DC Cable



Earthing
Cable



LA Cable



Cable Tray



MC4
Connector

Earthing Material



Earthing
Rod



ESE Type
LA



Conventional
LA



Earthing
Chemical Bag



Earthing
Pit



Earthing Strip
Copper

Structure Material



Mid clamp
End clamp



J- Bolt



U- Bolt



Anchor
Fastner



Base Plate



Zinc Spray

MC4 Solar Connector

Stäubli connectors are crafted with Swiss precision, offering optimal efficiency and long-term performance for small to large-scale PV systems.



STÄUBLI



The Original MC4

Invented by Stäubli engineers in Switzerland
Manufactured in compliance with European Conformity
MC4 is a protected trademark of Stäubli

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Solar Meter & Net Meter DC Cables



Secure/ Genus/Vision Tek/L&T



LAPP/ Leoni/Polycab/Siechem

Earthing And Lightning Protection



- As per IEC 62561
- Earthing Rod -- 1.5 to 2 Meter Length
- 250 Micron Copper Tinned
- Lightning Arrestor Copper with Spike
- Bare Copper -- 6SWG/ 10SWG
- 25 Kg Back Fill Compound
- SS-304 Nut Bolt



Original & Rebranded Indian OEM Solar Inverters

ORIGINAL PRODUCT MAKE

Rebranded OEM Indian Makes



SOLIS
inverters



LUMINOUS



POLY CAB



SOFAR
SOLAR



HAVELLS



WAAREE



LIVFAST
SOLAR



Livguard
Solar



EVVO



MICROTEK



GROWATT



ANCHOR
by Panasonic



V-GUARD



krioskar
Solar



VSOLE
TECHNOLOGY BEYOND IMAGINATION



DEYE



Feston
always on



UTL SOLAR



LOOM SOLAR



SOLAX
POWER



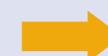
FOX
ESS



VAMA
INVERTERS



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HYPONTECH



K Solare

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