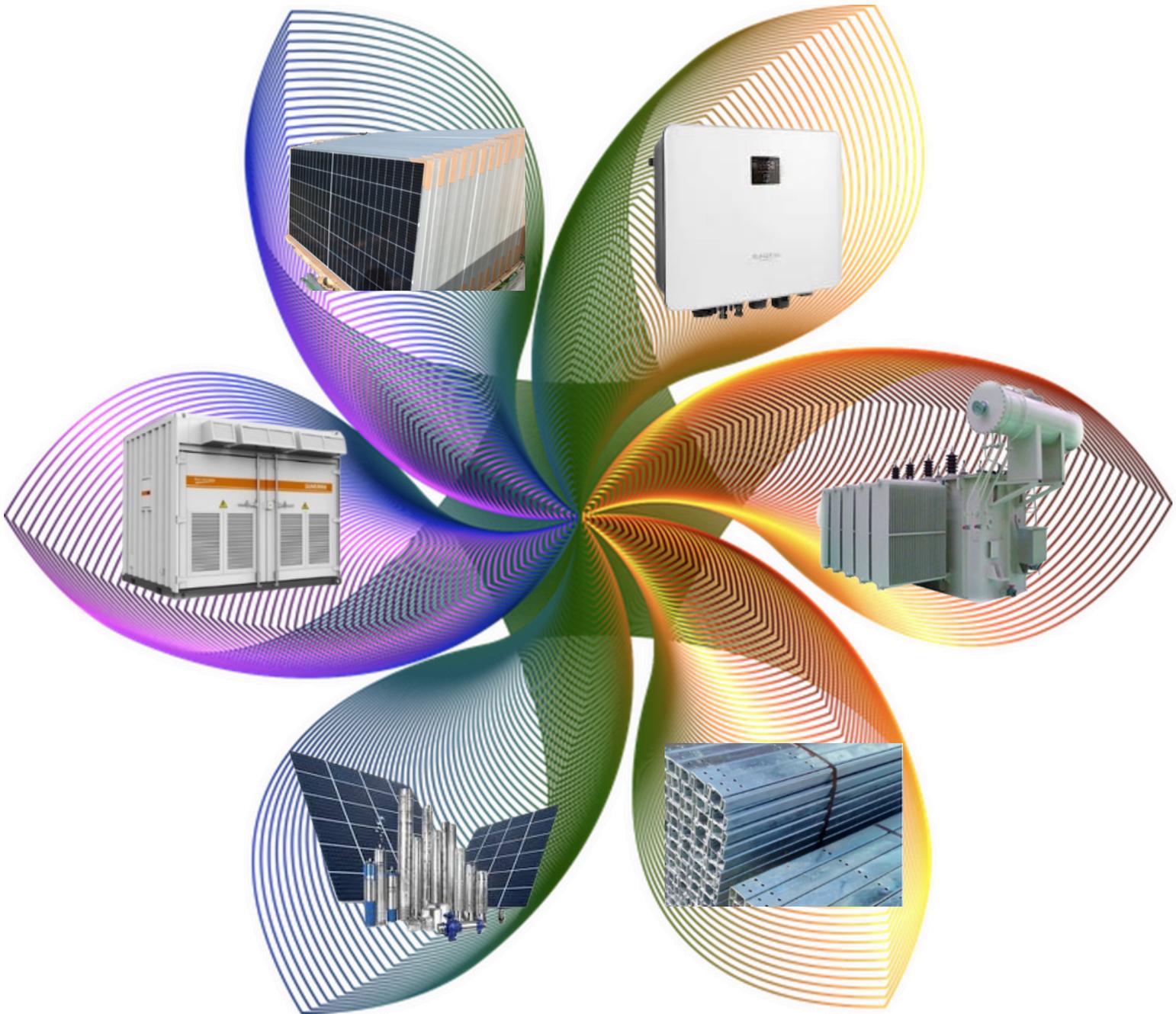


# Export Catalogue



  
*Clean Energy to the world*

SOLAR PV PANELS | SOLAR INVERTERS | PANEL STRUCTURES | SOLAR TRANSFORMERS | CABLES |  
JUNCTION BOXES | DISTRIBUTION BOARDS | SOLAR PUMPS | MAINTENANCE ITEMS | OTHER PRODUCTS

2025 EDITION



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<https://misunenergy.com>



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1st Floor, Tiffany,  
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Thane(W), Mumbai Metro Region,  
Maharashtra- 400 607, India.

# Why Choose Us?

We act as your extended arm in India for your low-cost sourcing, fully managed, with guaranteed service assurance.

**Lowest Cost | Fully Secured Sourcing | Total Purchase Assistance**

## Range of Services



### ENGINEERING SUPPORT

Engineering assistance to pick up the most suitable product for your project among range of choices.



### MULTI-POINT VERIFIED

Due diligence of manufacturers and their factories before taking them on-board.



### LOW-COST COUNTRY

Product sourced from low-cost countries to ensure least cost of the product but without any compromise on quality.



### STRICT QUALITY CONTROL

Total Quality Management from start to finish including stage inspections and inward material verifications.



### OPTIONAL TPI

Optional Third Party Inspection by reputed agencies to ensure total compliance to purchaser's requirements.



### LOGISTICS SUPPORT

Logistics support including finding most economic options, regulatory compliances and export clearances.

- ✓ Govt. of India Registered Importer-Exporter.
- ✓ Member of Export Body Under Govt of India.
- ✓ Managed By Globally Certified Project Management Professionals.
- ✓ Highly Experienced Team of Working In Several Countries Including Middle-East, CIS, Far-East and Africa.
- ✓ Officially Incorporated in Mumbai as a Private Limited Company.

**misun® energy- your window to increased profitability.**

**CONTACT US TO LEARN MORE**



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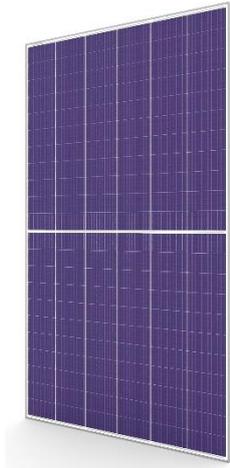
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## Solar PV Panels



Item Code: SPV01

- Mono-crystalline, 72 cells or 144 cells, mono-perc and Topcon-N, mono-facial or Bifacial.
- **Up to 670 Wp**, up to 1500 Volts.
- World-class product, made in India.
- Extreme weather resilience.
- High performance in low-light conditions.
- High power density, positive power tolerance.
- Highly reliable anti-reflective coated glass.
- 12 years product warranty, 30 years limited power output warranty.
- Certifications: ISO9001:2015, EMS-14001:2015, OHSAS-18001:2007, BIS, IEC, CE, TUV, UL, ROHS etc., Tier-1 Indian brand.
- Global presence in Africa, Latin America, USA, Far-East, Middle-East, South-East Asia.
- Fast delivery.

## Solar Inverters



### Central Inverters:

- For MW-Scale solar PV plants, **up to 6MW**, 3-Phase, 50/60 Hz.
- Maximized yield and feed-in revenues.
- Modular compact design, MPPT technology.
- Latest grid support and monitoring features.
- Worldwide service network.
- Premium brands, made in India.



Item Code: SPV02

### String Inverters:

- Grid-tie, **1kW to 255kW**, 240V AC or 400V or 800V AC, 50/60Hz, ideal for domestic and commercial solar PV plants.
- Multi-MPPT feature, saves BoS cost.
- In-built DC Switch, In-built safety features.
- Efficiency >98%.
- LCD Display, remote monitoring facility.
- IEC Certification.

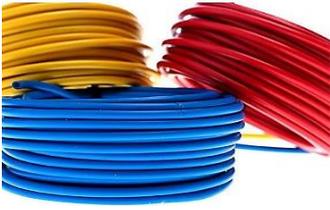
## Solar Structures



Item Code: SPV03

- **Galvanized Steel or Aluminium Structures.**
- Wind Speed withstand up to 250 KM per Hour.
- World-class product, made in India.
- Customizable design, portrait or landscape panel orientation.
- Engineered for maximum strength to weight ratio.
- ISO9001:2015 manufacturing facilities.
- Optional structural design using STAAD Pro etc.
- Structures available for *Land-based PV, Rooftops PV, Solar water pumps and Solar Carports.*
- Fast delivery.

## Solar Cables



Item Code: SPV04

- Size **1.5 Sq.mm up to 240 Sq. mm single core.**
- Tinned Copper conductor, IEC60228, Class 5.
- Electron beam cross linked halogen free and flame-retardant insulation (XLPO).
- UV, Ozone, temperature and hydrolysis resistant.
- Excellent encapsulation.
- Very long service life >25 years.
- Voltage test 6500V as per IEC50395.
- Ambient temperature -40°C to +90°C.
- Maximum conductor temperature 40°C to 120°C.
- TUV Certified, as per TUV specification EN50618:2014, manufactured in India.
- Fast delivery.

## Grounding items



Item Code: SPV05

- **Solid copper wires and rods** of sizes 1.1mm to 100mm.
- Electrolytic copper, high electrical conductivity, 100% IACS.
- Excellent dimensional tolerance.
- Excellent surface finish quality.
- **Copper bonded earth electrodes.**
- 17.2mm diameter, 3 meters long or other sizes on request.
- Minimum 250-micron copper coating.
- 25kG bag Backfill compound.
- Available with FRP pit cover.

## Solar Transformers



Item Code: SPV06

- Inverter duty Solar transformers, suitable for solar load profile.
- Multi-winding (2 to 6 windings), oil-filled or dry type.
- **2MVA to 12.5MVA**, LV Side: 0.35kV to 0.69kV, HV Side **3.3kV to 33kV.**
- Low-loss, with Aluminium or Copper winding.
- Electrostatic shield between LV and MV Winding.
- Fully type tested at internationally recognized laboratory.
- Designed with high efficiency, environmental friendliness, superior operational reliability and minimal Total Cost of Ownership.
- Ideally suited for large MW scale solar PV plants.

## Lightning arresters



Item Code: SPV07

### Conventional spike type:

- With single or multiple spike air terminal.
- With self-supporting base support.
- Copper Pipe length 1200mm, Pipe OD 25mm or other.
- Tested as per IEC:62561-2 standard.

### Early Streamer Emission (ESE) type:

- Tested in internationally recognized laboratories as per NFC17-102 or IEC 62305-2.
- Larger protection radius and  $\Delta T$  as per NFC17-102 standard.
- Premium quality, made in India.



Item Code: SPV08

## MC4 connectors

- TUV Certified, tested as per International Standards/ IEC62852.
- Rated voltage 1500V DC, 25A or 30A, suitable for solar DC cable size 2.5 mm<sup>2</sup>, 4 mm<sup>2</sup> or 6 mm<sup>2</sup>.
- Impulse voltage withstand 16kV.
- IP68 protection when mated.
- Snap fit locking.
- UV resistant as per ISO4892-2.
- Low contact resistance.
- Excellent quality.
- Available straight line or Y type, with NEC interlock.
- Fast shipping.

## Cable raceways



### UPVC Conduits:

- Ideal for indoor and outdoor electrical wiring.
- Cost effective, durable and high impact resistance.
- Corrosion free, flame retardant.
- Thermal resistant from -5°C to +60°C.
- Smooth finish from inside makes cable pulling easier.
- Size available in 20mm to 50mm outer dia.
- Light, Medium and Heavy-duty options.



### Cable ducting pipes:

- Light weight, easy for transport and assembly.
- Smooth internal surface, easy to pull cables.
- Tough outer surface, resists high impacts.
- Low maintenance and long lasting.



- HDPE material, can be used indoor and outdoor.
- Size available 50mm to 160mm outer dia.

**Cable trays and raceway ducts:**

- Premium quality Powder coated, pre-galvanized or hot dip galvanized steel or Aluminium.
- Excellent finish.
- Width 50mm to 1200mm, height 25mm to 100mm
- Ladder type, perforated or covered duct options.
- Stainless steel nuts & bolts.
- Available with accessories like bends, Tees, Reducers, Supports etc.

Item Code: SPV09



**Automatic weather monitoring systems:**

Advanced technology, multiple sensors and high accuracy, internationally recognized devices. Parameters available:

- Wind Speed, Wind Direction
- Temperature / Humidity, Rain Gauge
- Barometric Pressure
- Leaf Wetness sensor, Soil Moisture sensor
- Solar Pyranometer
- Soil Temperature sensor
- Snow Gauge, Lux Sensor
- Solar Panel & Datalogger with RS-422/485.
- Economical.

Item Code: SPV10

**Weather stations**



**Flooded Lead Acid Batteries:**

- OpzS Flooded VLA construction.
- Long design life up to 8 years @27°C float.
- Wide range of capacities up to 200AH @C10.
- Wide operational temperature range, 10°C to 55°C.
- Proven reliability, meets battery design standard DIN40736 and IEC60896.
- 12V Monobloc, Tubular plate with Lead-Selenium multi-alloy.
- Deep Discharge capability, ideal for solar PV off-grid application.
- Highly reliable and economical.

**Solar batteries**



**VRLA Gel batteries:**

- Reliable for maintenance-free operation.
- Best in class deep-discharge/ quick recharge.
- 300AH to 680AH, 12V and 800AH to 5500AH, 2V @C10.
- Design float life: 20+ years @27°C.
- Highest cycle life, excellent Partial State of Charge (PSOC) operation for demanding applications.
- Ideally suited for off-grid/ rural/ microgrid/ critical installations/ telecom networks.
- World class aesthetics and user friendliness.
- Time tested and proven technology.
- Compliance to International Specifications including IEEE, IEC, Telcordia.
- CE marking for Conformite European.

Item Code: SPV11

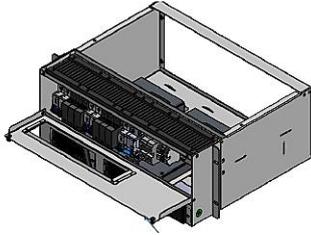


**Solar 2-in-1 PCU**

- **Solar PV Inverter and Charge controller 2-in-1 unit** with cutting edge technology.
- Separate charge controllers not required, the PCU serves both the purpose of battery charging from either solar or grid and also load feeding.
- Can be connected to 1-phase 240V grid supply as back-up support for both battery charging and load feeding, automatic operation.
- **Rating 1kW to 10kW**, with intelligent control.
- kW Solar = kW Load (Load capacity same as solar panel capacity).
- Wide range MPPT suitable for 60 cells and 72 cells panels.
- Supports flooded lead acid/ VRLA/ Gel batteries.
- Can be set as Solar Priority mode or Grid Priority mode.
- Integrated manual bypass switch and separate MCB/ MCCB for battery, solar array and grid (from 5kW to 10kW models).
- Intelligent battery charging- Bulk, absorption and float charging- increases battery life.
- Alarm for excess load, short circuit, automatic low battery protection.
- LED indication and LCD display.
- Twin fan for temperature control.
- Works as standalone solar inverter in case of no electricity.

Item Code: SPV12

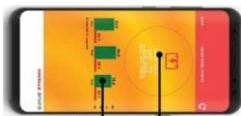
Charge Controllers



Item Code: SPV13

- Intelligent state-of-the-art Solar PV Charge Controller for **Telecom towers applications**.
- Dual function of battery charging and supplying DC loads of the telecom tower station.
- Modular rack-type with multiple plug-in MPPT cards 2kW-2.5kW each, 100% DC side Solar Panel capacity, combined with DC Input & Output MCBs and SPDs.
- Communicable with other field equipment.
- Top internationally reputed brand, made in India.

Solar Street Lights



Item Code: SPV14

- **All-in-one type** solar street-lights with integrated high efficiency TUV certified monocrystalline PV panels with anti-reflective glass coating.
- Plug & play design, completely wire free.
- Automatic Dusk to Dawn operation, no manual intervention required.
- PIR motion sensor automatically brightens the LED when people movements detected or dimmed when there is no people movements within 10 meters.
- Highly powerful LiFePo4 maintenance-free battery with in-built BMS for extremely efficient energy storage and faster charging.
- Designed for 2000 Life-cycle, more than 5 years of battery life.
- Operating temperature -20°C to +55°C.
- Inbuilt MPPT Solar Charge controller to extract maximum power from the on-board PV panel.
- Charging algorithm specially designed for LifePO4 battery.
- High Power bright Osram/Cree LEDs delivers system lumen output > 150 Lm / W.
- Customized lens as per road lighting standards.
- Aluminium extruded alloy, corrosion-free luminaire body.
- IP65 Degree of protection from dust and water.
- Optional Bluetooth connectivity for viewing system health, performance and customize system parameter through mobile app.
- Fully tested and certified at accredited third-party labs.

**Octagonal street light poles:**



- Hot dip galvanized steel or Aluminium.
- Polished surface.
- Height up to 30 meters.
- As per ASTM or BSEN standards.

**Decorative lighting poles:**



- Cast iron, with or without copper finish.
- Height up to 8 meters.
- As per ASTM or BS standards.
- Polished surface, picturesque aesthetics.
- Other custom designs also available.
- Application: Gardens, Townships, Pathways etc.

**Tubular street light poles:**



- Hot dip galvanized or Aluminium.
- Height up to 30 meters.
- As per ASTM or BS standards.
- With single or double arms.
- Polished surface, pleasing aesthetics.
- Multiple arm designs available as per client's preference.

Item Code: SPV15



- Made of powder coated CRCA box or Polycarbonate box, with transparent or metallic cover, suitable for indoor or outdoor installation.
- Customizable as per user's design.
- Rated Voltage 415V AC, 50 or 60 Hz, 3- phase AC.
- Manufactured and tested as per IEC-61439-3 standards by India's top electrical products brand.
- Inside components from high quality international brands with test certificates.
- Application: Solar PV kW range to MW range installations, residential, commercial or industrial PV installations.
- Manufactured at ISO9001:2015 certified.
- Easy wall mounting, highly rugged and reliable.

Item Code: SPV16

## Solar Panel Brush



- Soft Nylon bristle.
- With integrated water hose.
- Long lasting, wide sweep, gently cleans glass.
- Economic.
- Integrated water spray nozzles.
- Available with telescopic handles 4 meters and 6 meters length.

Item Code: SPV17

5 W



- High quality rechargeable lantern, can be used as a lantern as well as a high-power flashlight.
- Bright white medium beam and 360° illumination.
- Charging by inbuilt Solar Panel or by microUSB port by a power cord provided with the lantern.
- 2000mAH rechargeable Lithium-Ion inbuilt battery.
- Up to 4 hours battery back-up time.
- Ergonomic handle and light-weight, can be carried easily.
- UV protected, does not get damaged in sun.
- No UV and IR radiation, safe for eyes.
- Environment friendly, does not use mercury.
- Consumes very low energy and produce low running temperature.
- Application: Ideally suited for forest camping, tourism, residential, construction, rural areas etc.
- Reputed Indian brand.

Item Code: SPV18



- Premium quality Stainless Steel Solar Pumps, high flow system for faster filling of tanks.
- Available in both submersible type and surface mounted type, flow rate 95LPM to 4000 LPM, 0.9kW to 54kW, water head up to 70 meters.
- Provided with matching solar PV panel, adjustable mounting structure, pump with motor and cable.
- Highly efficient and low-energy BLDC permanent magnet motors, starts even at low solar radiation.
- Clean and pollution free, can run for 6-8 hours continuous every day, or even more with grid AC source changeover at night.
- Microprocessor based VFD controller for soft start of the DC motor, prevents water hammer,



## Solar Water Pumps



Item Code: SPV19

- ensures longer life of the system.
- Can run on both Solar energy and grid AC power, selectable through a changeover switch, ensures operational flexibility.
- In-built protection for dry run, overload, open circuit, short circuit, over heat protection of pump.
- Application: Ideally suited for remote areas where electricity is not available or costly, agriculture, forestry, wildlife, livestock, tourism, residential, construction, rural water supply etc.
- Top reputed Indian electrical products brand.
- ISO-9001:2015, CE, UL, CSA, RU certified, made in India.



Item Code: SPV20

- Solar vegetable and grain dryers, works on solar energy, can be installed at places without electricity.
- Fast drying with 2-5% final moisture content.
- Preserves natural colour and taste of the food. Food items remain clean from environmental pollution.
- 65°C operating temperature through glazed solar air heating collectors, fast drying.
- Batch capacity up to 500kG, drying duration 6 to 7 hours.
- Can quickly dry various vegetables like tomatoes, mushrooms, chilli, onion, garlic, pepper, cashew nuts, coffee beans, leafy vegetables, grains like wheat, corn, various fruits etc.
- Easy and simple installation.
- High quality, made in India.

## Solar Veg Dryers



Item Code: SPV21

- **Solar Home System Kits** for off-grid application.
- Kit contains a PV panel, Solar Charge controller, Lithium-Ion batteries or VRLA Gel batteries, wiring, connectors.
- Optional PV panel mounting steel pole with brackets.
- 4-8 nos of DC 12V 5 Watt or 9 Watt LED Bulbs, 2 Nos of 12V DC Ceiling or Table fans.
- One USB port for mobile charging.
- 8-10 hours back-up.
- System customizable as per user requirements.
- Easy to install, ideally suited for remote rural houses where grid is not available.

## Solar Home Systems



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It's easy to get in touch with us. Drop in a WhatsApp message or an e-mail, and we will contact you very soon.

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