SYNCHRO

CATALOGUE

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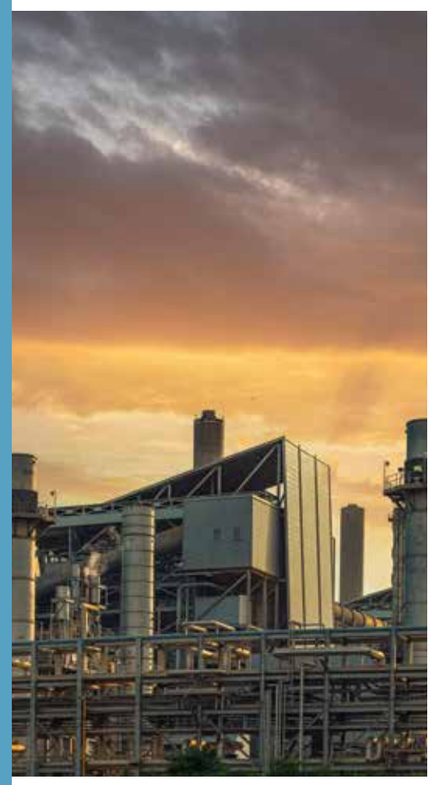
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Range of **Products**













PCC PANEL



Type

- Indoor and Outdoor

Features

- IP55/IP65 protection
- IoT 4.0 enabled
- Built as per IEC 61439 standards
- SCADA/BMS compatibility
- Powder-coated CRCA / SS / FRP enclosure options

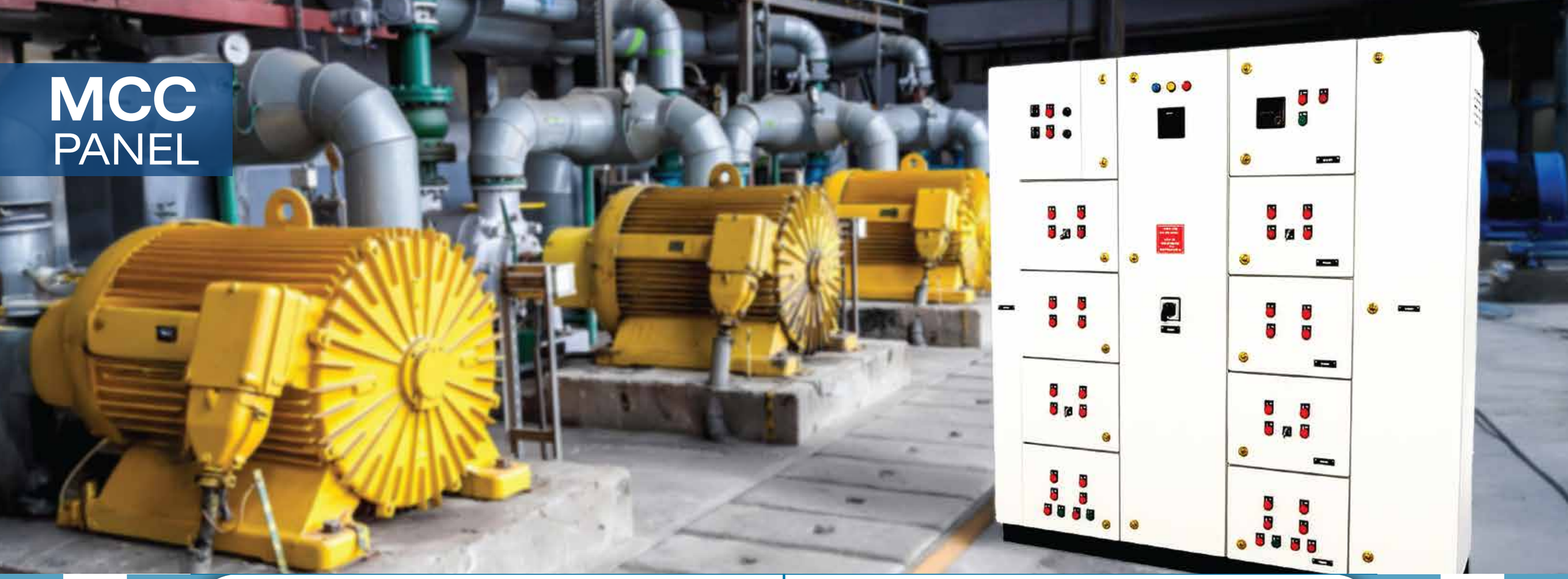
Range

- Up to 6300 A, 415 V AC, 3-phase

Application

- Industrial Power Distribution Systems
- Solar & Renewable Energy Plants
- Commercial Buildings & Data Centers
- Infrastructure Projects
- Utility Substations
- Widely applicable across various industrial and commercial sectors.

MCC PANEL



Type

- Indoor and Outdoor, available in various starter configurations such as DOL, Star-Delta, Soft Starter, and VFD-based

Features

- IP55/IP65 protection
- IoT 4.0 enabled
- Built as per IEC 61439 standards
- Supports SCADA / PLC integration
- Remote start/stop and motor status monitoring

Range

- 450 V to 660 V AC

Application

- Industrial Manufacturing Plants
- Water Supply & Treatment Plants
- HVAC Systems
- Power Generation & Utilities
- Agriculture and industrial applications
- Versatile solution compatible with diverse industrial applications.

SYNCHRONIZING
PANEL



Type

- Indoor and Outdoor

Features

- IP55/IP65 protection
- IoT 4.0 enabled
- Built as per IEC 61439 standards
- SCADA / PLC integration
- Powder-coated CRCA / SS / FRP enclosure options

Range

- 415 V / 800 V

Application

- Industrial & Commercial Facilities
- Hospitals, Data Centers, and Airports
- Renewable Energy Plants
- Smart Grids and Microgrids
- Hotels, Malls, and IT Parks

METER
PANEL



Type

- Indoor and Outdoor

Features

- Compatible with smart meters, prepaid meters, and AMR/AMI-enabled
- Metal / FRP, weather- and corrosion-resistant enclosure
- Built as per IEC 61439 standards
- IP55/IP65 protection
- Tamper-proof design with lockable doors

Range

- 415 V AC

Application

- Residential & Commercial Buildings
- Industrial Facilities
- Renewable Energy Projects
- Group Housing / Apartments
- DISCOM Installations

LT BUS
DUCT



Type

- Air-Insulated and Sandwich-Type

Features

- IP55/IP65 protection
- Designed and built as per IEC 61439 standards
- High mechanical and thermal strength
- Flame-retardant and self-extinguishing insulation (for sandwich type)

Range

- Up to 1000 V and Up to 6300 A

Application

- Power Plants & Substations
- Industrial Units
- Commercial Buildings & Data Centers
- Renewable Energy Plants
- Infrastructure Projects

AMF/ATS
PANEL



Type

- Indoor and Outdoor

Features

- SCADA integration, remote monitoring, and IoT 4.0 enabled
- Built as per IEC 61439 standards
- IP55/IP65 protection
- Optional communication via Modbus/RS485
- ABS / FRP / Metal enclosure options

Range

- 2000 A to 2500 A

Application

- Hospitals & Healthcare Facilities
- Data Centers
- Industries with Critical Loads
- Commercial Complexes
- Infrastructure Projects

APFC PANEL



Type

- Indoor and Outdoor

Features

- Real-time power factor monitoring & correction
- Step-based or thyristor-controlled switching
- IP55/IP65 protection
- SCADA / Remote monitoring enabled
- IoT 4.0 Compatible
- Designed as per IEC 61439

Range

- Up to 525 kVAR, and
- Higher as per client request

Application

- Manufacturing & Industrial Plants
- Commercial Complexes & Shopping Malls
- Hospitals & Educational Institutions
- Textile Mills & Heavy Machinery Units
- Any facility with inductive loads & low power factor

VFD PANEL



Type

- Indoor and Outdoor

Features

- Energy-efficient operation with soft start/stop
- Remote & SCADA integration
- IoT 4.0 enabled monitoring and control
- Compliant with IEC 61439
- IP55/IP65 protection

Range

- Depends on VFD configuration and motor capacity

Application

- Pumps, Blowers & HVAC Systems
- Material Handling Systems (Conveyors, Cranes)
- Textile, Paper & Process Industries
- Wastewater Treatment Plants
- Any application requiring variable motor speed
- Suitable for use in almost all types of industries and utilities.

VCB
PANEL (11kv/33kv)



Type

- Indoor and Outdoor

Features

- Indoor IP44 / Outdoor IP65
- Data Monitoring

Range

- 11kV to 33kV

Application

- Substations
- Solar & Wind Power Evacuation Systems
- Industrial Power Distribution
- Infrastructure Projects

STRING
COMBINER BOX (SCB)



Type

- 8-in/1-out to 24-in/1-out

Features

- IP65/IP67 rated – ideal for outdoor environments
- UL-certified components
- Minimizes voltage drop and enhances system safety

Range

- 1000 VDC to 1500 VDC

Application

- Utility-Scale Solar PV Plants
- Commercial Rooftop Solar Installations
- Industrial Solar Power Systems
- Hybrid & Off-Grid Solar Projects

STRING MONITORING BOX (SMB)



Type

- 8-in/1-out to 24-in/1-out

Features

- RS-485 protocol with optional Wi-Fi for remote monitoring
- Per-string DC current and voltage measurement
- Real-time fault detection with integrated data logging
- IP65/IP67 outdoor-ready weatherproof enclosure
- UL-certified components, SCADA & data logger compatible

Range

- 1000 VDC to 1500 VDC

Application

- Utility-Scale Solar PV Plants - for performance analytics
- Commercial & Industrial Rooftop Solar Systems – for fault detection
- Solar Farms with Remote Monitoring Requirements
- Hybrid Solar Systems with SCADA Integration
- Projects with Centralized Inverter Architecture
- BESS (Battery Energy Storage Systems)

Solar 800
VAC LT Panel



Type

- Indoor and Outdoor

Features

- IoT 4.0 enabled – supports real-time data monitoring & diagnostics
- IP43/IP44 for indoor applications
- IP54/IP55 for outdoor installations
- Type-tested as per IEC 61439-1 & 2
- SCADA/EMS/BMS communication-ready

Range

- Up to 5000A

Application

- Utility-Scale Solar PV Plants
- Solar + Grid Hybrid Plants
- Industrial Captive Solar Plants

SOLAR **ACDB**

Type

- Single Phase / Three Phase
- Indoor and Outdoor

Features

- ABS / FRP / Metal enclosure
- IP55 (Indoor) / IP65 (Outdoor)
- Pre-wired & ready-to-install

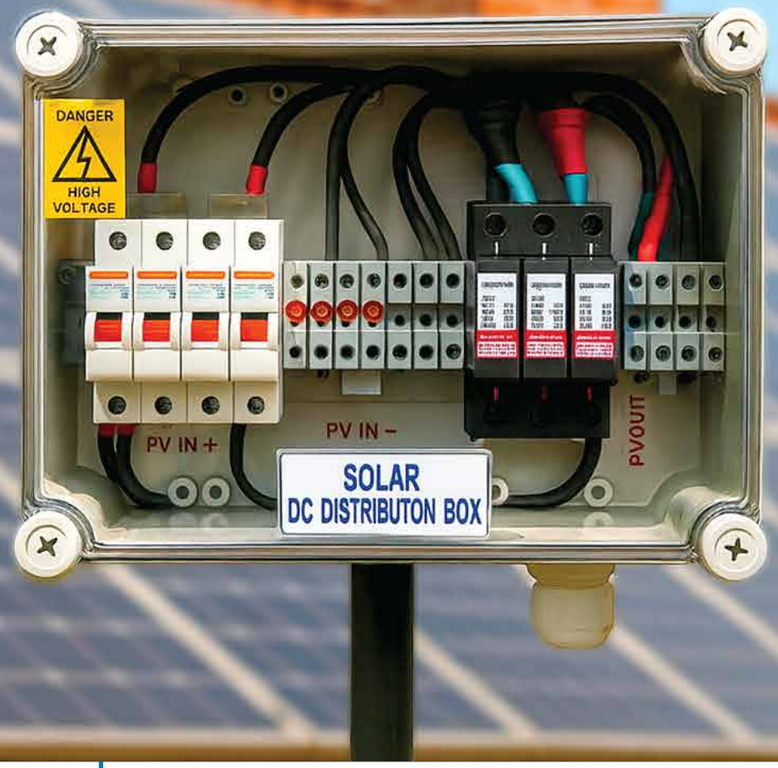
Range

- 20A to 5000A

Application

- Rooftop Solar Systems
- Utility-Scale Solar Plants
- On-grid and Hybrid Solar Installations

SOLAR **DCDB**



Type

- 1-in/1-out up to 24-in/24-out, also available as per client-specific requirements

Features

- ABS / FRP enclosure
- IP65/IP66 protection
- Pre-wired & ready-to-install
- Flame-retardant, UV-resistant body for extended life

Range

- 500 VDC / 1000 VDC / 1500 VDC

Application

- Rooftop Solar Installations
- Ground-mounted PV Systems
- Off-grid Solar Systems

ISOLATION
PANEL



Type

- Indoor and Outdoor

Features

- ABS / FRP / Metal enclosure options
- Standard IP55/IP65

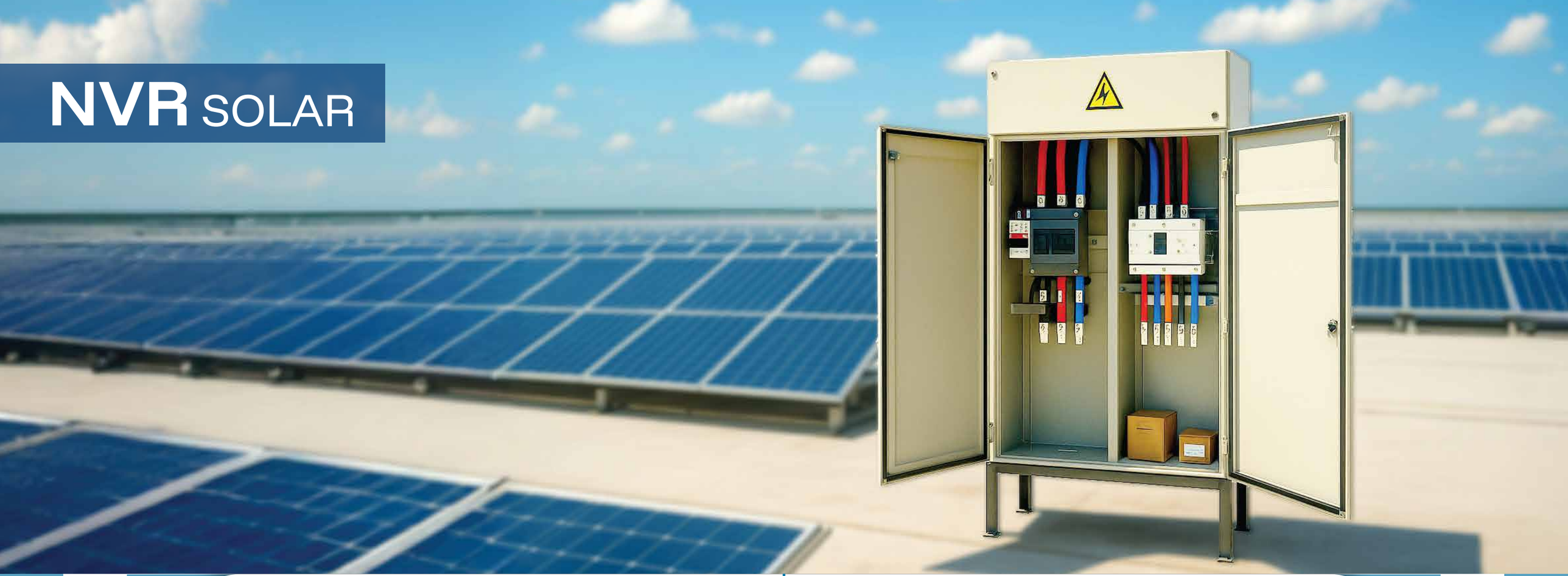
Range

- 415 VAC / 800 VAC

Application

- Solar PV Plants
- Industrial Power Systems
- Maintenance Shutdown Panels
- On-grid / Off-grid Hybrid Systems

NVR SOLAR



Type

- Indoor and Outdoor

Features

- ABS / FRP / Metal enclosure options
- IP55/IP65 protection
- SCADA/BMS compatible

Range

- 400 kW to 1 MW

Application

- Solar Rooftop Projects
- Commercial & Industrial Solar Plants
- On-grid and Hybrid Solar Installations
- Utility-Scale Solar Farms

Cable
Tray & Pole

Type

- Metal (GI / MS / SS) and FRP construction

Features

- Corrosion-resistant
- Weatherproof, UV-resistant, flame retardant (FRP)
- Conforms to IS/IEC standards
- Compliant with IEC 61439
- IP55/IP65 protection

Application

- Solar PV Projects (Cable management & string line routing)
- Industrial Plants
- Commercial & Residential Infrastructure
- Data Centers & IT Parks
- Substations & Utility Networks
- Outdoor lighting or solar structure mounting (Pole)

Transformer
& Servo Stabilizer

TRANSFORMER:

Ratings: Metal (GI / MS / SS) and FRP construction

Primary Voltage: 33000/11000.

Secondary Voltage: 800/660/630/440/415.

Tap Range: Off Circuit or On-Load tap changers for HV/LV variation as per customers specification.

SERVO STABILIZER:

Secondary Voltage: Single Phase & Three Phase

Tap Range: 1 kVA to 500 kVA (Custom capacity available on request)

Turnkey Solutions

Solar & Infrastructure Projects



What We Offer:

We provide complete turnkey solutions for Solar and Infrastructure projects, ensuring seamless execution from design to commissioning.

Scope of Work:

- Project Design & Engineering
- Supply of Panels, Structures, Cable Trays, Panels, and Equipment
- Site Execution & Erection
- Electrical Work
- Testing & Commissioning
- Operation & Maintenance Support









Industries We Serve:

- Solar Power Plants (Rooftop & Ground Mounted)
- Industrial & Commercial Infrastructure
- Educational & Government Institutions
- Utility Scale Installations

Why Choose Us

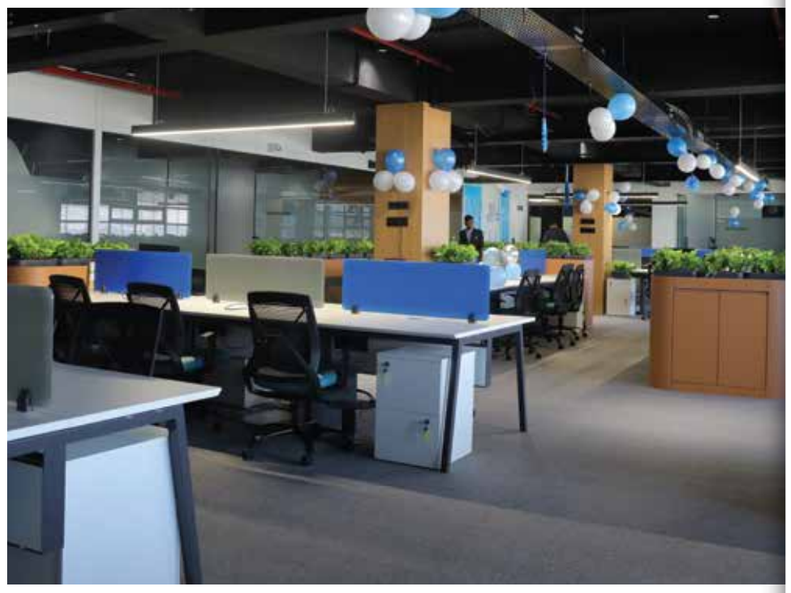
When you partner with us, you're choosing a company that combines deep technical expertise with a client-first mindset. Here's why clients trust us:

- **Turnkey Expertise:** Complete in-house handling of design, engineering, procurement, installation, and commissioning.
- **Experienced Team:** Skilled professionals with a proven track record in solar and infrastructure projects.
- **End-to-End Solutions:** From single rooftop systems to large-scale industrial infrastructure — we do it all.
- **Premium Quality:** Use of best-in-class materials and globally reputed brands.
- **Transparency & Integrity:** Honest pricing, clear timelines, and transparent communication.
- **After-Sales Commitment:** Dedicated O&M support for long-term performance and peace of mind.
- **Sustainable Values:** Solutions designed with energy efficiency, environmental care, and future readiness in mind.













In-House Capabilities & Facilities

- Our infrastructure is built to deliver quality and scale, with full control over every stage of the project cycle.
- 80,000+ sq. ft. Built-Up Area
- World-Class Manufacturing Facility equipped with CNC Machines, Powder Coating Units, and Busbar Fabrication Setup
- In-House Testing Facility for routine and type testing of panels up to 800V
- Engineering & Design Department with dedicated software experts for electrical layouts, solar PV simulation, and 3D modelling
- Material Handling & Storage Area with strict inventory and quality controls
- R&D and Customization Cell for special projects and continuous improvement
- Dedicated Solar & Electrical Installation Team for pan-India deployment