

ELECON

Protect | Monitor | Sustain

Manufacturers of HT & LT Panels



ISO 14001 : 2015 | ISO 45001 : 2018 | ISO 9001 : 2015

COMPANY OVERVIEW

About Us

PROTECT

Protecting people, equipment, and assets through robust, fail-safe control systems designed for maximum safety and reliability.

MONITOR

Monitoring performance through intelligent, technology-driven systems that ensure reliability, precision, and operational excellence across industries.

SUSTAIN

Sustaining long-term growth by driving energy efficiency, reducing waste, and enabling a greener, future-ready industrial control panels.

Founded in 2011, Elecon Power Systems is a leading manufacturer of HT and LT panels, delivering reliable power management solutions for industrial, commercial, and utility sectors. Backed by advanced manufacturing, stringent type testing, and engineering expertise, we provide high-performance systems built for safety, precision, and durability. Guided by our core philosophy, Protect. Monitor. Sustain. Elecon continues to set benchmarks in power distribution and controls.



OUR PRODUCTS

- PCC panels
- IMCC panels
- MCC panels
- APFC panels
- Feeder pillar
- Distribution boards
- Bus ducts
- Metering Panels
- AMF Panels
- DG Synchronizing Panels
- Relay Panels
- PLC Panels
- Floor DB's and Street lighting panels
- GI, MS, Cable trays and cable ducts
- 800 V Switchgear for solar farms
- HT Panels



IEC 60439 TYPE TESTED PANELS

All our panels undergo rigorous type testing and quality verification to ensure reliable performance under all operating conditions

Factory Acceptance Tests

- Insulation Resistance Test
- Continuity Test
- High Voltage Test
- CT Polarity Test
- Primary Injection Test
- Secondary Injection Test
- Functional Test

CPRI tests | IEC 60439

- Short-Circuit Withstand
- Temperature Rise limits
- IP Test
- Mechanical Strength

Technical Specifications:

- Rated Voltage: 415 V
- Rated Current (Aluminium Busbars): up to 4000 A
- Short-Circuit Withstand: up to 100 kA for 1 sec
- Protection Category: up to IP54
- Mechanical Impact Resistance: IK10
- Enclosure Type: Indoor / Outdoor
- Form of Separation: Form 2, 3 & 4 (3B & 4B construction)
- IS 8623 certified type-tested assembly
- Flexible switchgear selection for varied applications
- Copper or Aluminium busbars, interleaved design for better heat dissipation
- Short-circuit ratings from 25 kA to 100 kA (symmetrical)
- Suitable for both indoor and outdoor usage
- Time-tested and widely used design with proven reliability in industrial and commercial sectors



IEC 61439 TYPE TESTED PANELS

Technical Specifications:

- Rated Voltage: 415 V
- Rated Current (Aluminium Busbars): up to 4000 A
- Short-Circuit Withstand: up to 65 kA for 1 sec
- Protection Category: IP42 / IP54
- Mechanical Impact Resistance: IK10
- Enclosure Type: Indoor
- Form of Separation: Form 2, 3 & 4 (3B & 4B construction)
- Internal arc-tested for superior safety
- Copper and Aluminium busbar options
- Enhanced aesthetics – powder-coated, modern finish
- 2-tier ACB mounting for space optimization
- Wall-mounted and floor-mounted configurations available
- Improved design verification, safety, and documentation requirements
- Built using Schneider Electric's PrismaSet System, ensuring global compatibility, reliability, and proven IEC 61439 compliance

IEC 61439 Verifications

- Strength of material and parts
- Degree of protection of enclosures
- Clearances
Creepage distances
- Protection against electric shock and integrity of protective costs
- Incorporation of switching devices and components
- Internal electrical circuits and connections
- Terminal for external conductors
- Dielectric properties
- Temperature rise limits
- Short-circuit withstand strength
- Electromagnetic compatibility



HT PANELS

ELECON’s HT Panels are designed for safe and efficient power distribution at voltages up to 33 kV. Built with advanced VCB technology, they provide reliable control, superior protection, and flexible configurations to suit diverse industrial and utility applications.

Specification	11kV Panel/ VCB	33kV Panel/VCB
Configuration / Model	Indoor VCB, Model HVX	Indoor SF6 type
Applicable Standard	IEC 62271 Parts 100–200	IEC 62271 Parts 100–200
Continuous Current Rating	800 A / 1250 A / 2000 A	800/ 1250/ 1600/ 2000/ 2500 A
System Voltage	12 kV	36 kV
Operating Frequency	50 Hz	50 Hz
Short-Time Withstand Capacity & Insulation Rating	As per standard requirements	As per standard requirements
Impulse Voltage (1.2 / 50 µs wave) & Temp Rise / IPX4	Complies with standard permissible limits	170 kVp
1 min. 50Hz Voltage with-stand	28 kV	70 kV
Approx. Dimensions (L × W × H)	600 mm × 1807 mm × 2270 mm	1100 mm × 2800 mm × 2400 mm
Breaking Capacity	26.4 KA	31.5 KA



Our Facility

The 2.2-acre campus comprises a 45,000 SFT shopfloor and 4,000 SFT of modern office space, designed to support seamless operational workflows. The entire infrastructure is fully powered by a captive solar plant, enabling sustainable, energy-efficient, and environmentally responsible operations. This integrated approach not only minimizes the facility’s carbon footprint but also reflects Elecon’s commitment to green manufacturing and operational excellence.

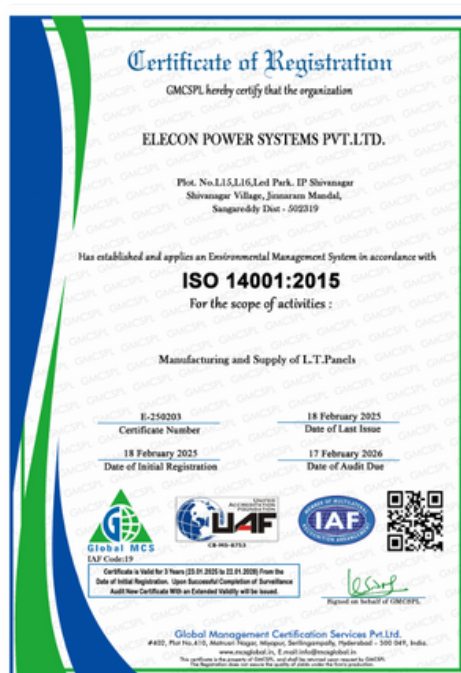
Sustainability

We believe that long-term business success is inseparable from social and environmental responsibility. At ELECON, we are dedicated to minimise our environmental footprint while enhancing energy efficiency and product reliability. Every stage of our process is designed to conserve resources, reduce waste, and promote a cleaner, greener future. We adhere to all relevant environmental and safety regulations, reaffirming our commitment to ethical operations and lasting value for generations to come.

- Emission and Waste Reduction
- Energy Efficient
- Lean Production System
- Water and Chemical Management
- 100% solar-powered operations
- Phosphate-free nano powder coating process



Certifications



Our Clientele



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