

Industrial Electrical Panel Systems

Shai Power Control Pvt. Ltd. is a premier manufacturer of high-reliability low voltage (LT) power distribution boards, motor control centers, and automation control panels engineered to international industrial standards.

Engineering Excellence & Reliability

Our solutions feature modular designs, enhanced thermal dissipation, arc-fault compliance, and robust fault-tolerant protection—tailored for heavy manufacturing, commercial infrastructure, and utility installations.



LT Power Control Center Panel

Main Low Tension (LT) Distribution Switchboards designed for central power distribution with high breaking capacity breaking units.

- Rated Voltage: Up to 690V AC
- Busbar Capacity: Up to 6300A Copper/Aluminium
- IP Protection Class: IP42 / IP54 / IP55



Motor Control Center (MCC) Panel

Fully compartmentalized Motor Control Panels designed for safe, centralized control and protection of electric motors.

- Fully Drawout / Non-Drawout options
- Integrated Starters: DOL, Star-Delta, Soft Starter
- High Short-Circuit Withstand Capability



Variable Frequency Drive (VFD) Panel

Custom-designed drive panels equipped with forced cooling systems, harmonic filters, and bypass arrangements for precision motor speed regulation.

- Power Range: 0.75 kW to 630 kW
- Integrated Active / Passive Harmonic Filters
- Communication Protocols: Modbus, Profinet, EtherNet/IP



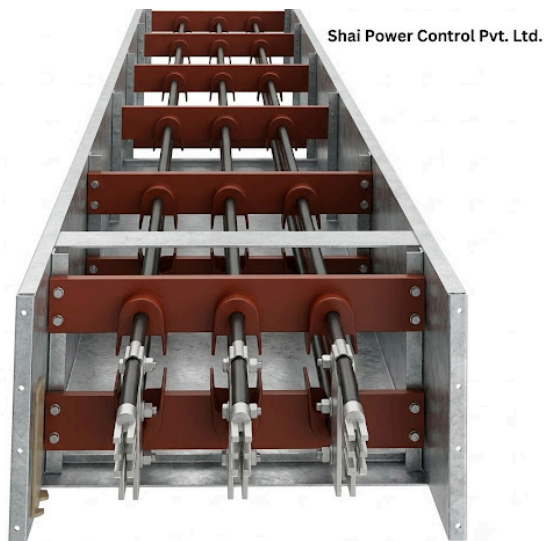
PLC & Automation Control Panel

High-density Programmable Logic Controller enclosures complete with neatly routed I/O field terminal blocks and signal conditioning units.

- System Architecture: Single CPU or Hot-Standby Redundant
- Complete Field Wiring & Terminal Identification
- Custom SCADA / HMI Integration Ready

Turnkey Control & Drives Solutions

Our VFD and PLC control assemblies are pre-commissioned and factory-tested, offering seamless integration with plant-wide Supervisory Control and Data Acquisition (SCADA) networks.

**Bus Duct**

Heavy-Duty Bus Duct / Busway Systems

High-efficiency, air-insulated or sandwich-type bus ducts designed for low voltage drop and high electrical conductivity power transport.

- Conductor Material: ETP Grade Copper / EC Grade Aluminium
- Enclosure: Galvanized Steel / Epoxy Powder Coated
- Fault Rating: Up to 100kA for 1 second



Automatic Mains Failure (AMF) Panel

Intelligent auto-transfer panels that automatically manage seamless switching between primary utility mains and emergency diesel generators.

- Microprocessor-based Auto Transfer Controllers
- Motorized Breakers & Contactors Switching
- Automatic Engine Start/Stop & Monitoring Functions

Busbar & Transfer Switch Systems

Designed to handle high dynamic short-circuit stress while maintaining compact installation footprints, suitable for rising mains and heavy power interconnects.

**AMF-PANEL****Sub-Distribution Switchboard Panel**

Feeder distribution boards engineered for modular load division, energy metering, and localized circuit isolation in commercial buildings.

- MCCB / MCB Outgoing Feeder Configurations
- Digital Multi-Function Energy Metering
- Form of Separation: Form 2b / Form 3b / Form 4

**AMF-PANEL****Outdoor Kiosk / Compact Substation**

Weatherproof, heavy-gauge steel outdoor enclosures engineered for yard installations, protecting internal equipment against extreme environments.

- Protection Class: IP55 / IP65 Outdoor Rated
- Slanted Canopy Top for Rainwater Shedding
- Polyurethane Gasket Sealing & Anti-Corrosion Finish

