

Info Sheet

LV Distribution Panel Boards

Safe, centralized power distribution for modern infrastructure.

1. Overview

IPU SA's **Low Voltage (LV) Distribution Panel Boards** serve as the backbone of electrical distribution in commercial, industrial, and institutional facilities. Designed for efficient load management and circuit protection, our panel boards support everything from main distribution (MDB) to final DBs — incorporating conventional and smart configurations. With compliance to **IEC 61439-1,2,3**, IPU SA ensures every panel is engineered for operational safety, scalability, and system integrity. Whether for hospitals, factories, or mixed-use buildings, our boards are built to match project-specific load profiles and layout requirements.

2. Key Features

- Modular panels for MDB, SMDB, Final DB, ECB, and totalizing boards
 - Integrated circuit breakers, protection devices, and metering
 - Smart distribution upgrades (IoT-enabled monitoring optional)
 - Fully type-tested and non-type-tested options
 - Custom busbar configurations (top/bottom entry, rear access)
 - Labeling, zoning, and color-coded circuit logic
 - Fault isolation and safe maintenance access
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3. Applications

- Hospitals, universities, and medical complexes
 - Commercial towers, malls, and campuses
 - Factories, warehouses, and manufacturing lines
 - Water plants, infrastructure, and mixed-use zones
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4. Integration Capabilities

- Compatible with SCADA, BMS, and load management systems
 - Interface-ready for remote fault monitoring and breaker status
 - Seamless tie-in with ATS, MCC, and synchronization panels
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5. Certifications & Standards

- Fully compliant with **IEC 61439-1,2,3**
- Designed and tested per OEM and utility requirements
- Built using Schneider, ABB, Eaton, and similar certified gear