

# Info Sheet

## Busbar Fabrication

*Precision-engineered conductors for high-performance power systems.*

---

### 1. Overview

IPU SA offers **custom Busbar Fabrication** solutions for LV and MV applications, manufacturing precision-cut copper or aluminum bars for efficient, safe electrical current distribution. Whether for switchgear, distribution panels, or control systems, our in-house fabrication team ensures each busbar is shaped, sized, and treated to meet project-specific load, thermal, and spacing requirements.

Every unit is tested for conductivity, strength, and dimensional accuracy — delivering reliable performance across a wide range of industrial environments.

---

### 2. Key Features

- Fabrication using high-purity copper or aluminum
  - Cut, punched, and bent to exact design specs
  - Available in tin-plated, silver-plated, or bare finish
  - Custom widths, thicknesses, and hole configurations
  - Rated for high current and thermal loads
  - Designed for compact layouts and space efficiency
  - Compliant with OEM and project insulation requirements
- 

### 3. Applications

- LV/MV distribution panels
  - Switchgear and MCCs
  - Generator connection bays
  - Data center and infrastructure cabinets
  - OEM panel integrations and retrofits
- 

### 4. Integration Capabilities

- Designed to fit IPU SA's switchgear, MCCs, ATS, and DBs
  - CAD-driven manufacturing for tight tolerance fit
  - Compatible with third-party OEM enclosures and hardware
  - Pre-drilled and labeled per project schematics
- 

### 5. Certifications & Standards

- Built to **IEC 61439** and **IEC 60439** standards
- Factory-tested for electrical conductivity and insulation clearance
- Verified against OEM busbar specs and thermal derating guidelines