

# Info Sheet

## Backup Generator Supply & Integration

*Power when you need it most.*

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### 1. Overview

IPU SA offers **backup generator solutions** that provide reliable power during outages, ensuring operational continuity for mission-critical facilities. Whether for **standby** or **prime power** applications, our generators are integrated with intelligent control systems, fuel management, and remote monitoring to ensure maximum efficiency and minimum downtime.

Designed for a variety of industries, from healthcare to industrial manufacturing, our generators are selected based on project needs, local grid requirements, and backup duration specifications.

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### 2. Key Features

- Diesel and gas-powered generator options
- Full load testing and commissioning
- Integration with IPU SA's **ATS** and **Synchronization systems**
- Smart monitoring and diagnostics with remote access
- Fuel management and automatic refueling systems
- Noise and emissions control for urban or environmentally sensitive areas
- Customizable enclosure and soundproofing options
- Automatic start and synchronization for uninterrupted power

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### 3. Applications

- Hospitals and emergency healthcare facilities
- Data centers and telecom exchanges
- Airports, railways, and transportation hubs
- Industrial manufacturing plants
- Critical infrastructure (military, government, utilities)

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### 4. Integration Capabilities

- Fully compatible with Synchronization panels for seamless switching
- SCADA and BMS-compatible for real-time fuel and load tracking
- Remote start, load transfer, and diagnostics via cloud-based platforms
- Can be integrated into hybrid systems with renewable energy sources or UPS systems

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### 5. Certifications & Standards

- Complies with **ISO 8528**, **IEC 60034**, and **ISO 3046**
- Built using certified OEM components (Caterpillar, Cummins, Perkins, etc.)
- Factory-tested for full operational verification
- Adheres to local emissions regulations and environmental standards