

# Power Generator Synchronization Control System

This synchronization control system is designed for power generation applications. The system synchronizes generators to a grid or load, ensuring stable and reliable power distribution.



## ADDITIONAL IMAGES



## System Overview

### Professional Synchronization Control System

This advanced synchronization control system is engineered for multi-generator parallel operation and intelligent load sharing. Featuring a robust, compact, and highly integrated design, it ensures reliable power distribution for critical infrastructure. The system incorporates comprehensive monitoring and protection for both electrical and dynamic engine parameters to maintain stable performance.

## Monitoring Capabilities

### Monitored Parameters

- Engine Speed
- Oil Pressure
- Water Temperature
- Battery Voltage
- Three-phase Voltage, Current, and Frequency
- Active Power, Reactive Power, and Power Factor

## Protection Features

### Protection & Safety

Category	Fault Types
Electrical	Over/Under Voltage, Over Current, Short Circuit, Reverse Power
Dynamic/Engine	Speed, Oil Pressure, Water Temperature, Battery Voltage Faults

## Design and Build

Key Attributes	Compact Structure, Highly Integrated, Floor-mounted, Modular Configuration
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