

Single-Phase Diesel Generator Set

These diesel generator sets include a diesel engine, alternator, and control box. They can be started with a key or automatically when the electricity supply has been stopped.



Product Overview

Reliable Power Generation

The GF1 series single-phase diesel generating sets are engineered for dependable performance in residential, commercial, and industrial applications. These units combine a robust diesel engine with a high-efficiency alternator to ensure stable electrical output during power outages or in remote locations. Featuring intelligent control systems and automatic switching capabilities, these generators provide a seamless power solution with vibration-isolated construction for longevity.

Key Features

Core Capabilities

Automatic Start, Soundproof, Mobile Trailer Option, Intelligent Performance, Self-Protection

Control System

Control Panel Components

- Manual control panel
- Time relay
- Indicator testing button
- Alarm resetting button
- Over speed inductive switch
- Low battery voltage alarm
- Starting malfunction alarm

Monitoring Gauges

- Voltmeter
- Hertzmeter
- Ampemeter
- Battery voltmeter
- Water temperature gauge
- Oil pressure gauge

Operational Specifications

Automatic Switching Timing

Function	Duration/Detail
Automatic Start Delay	3-28 seconds (adjustable)
Grid to Genset Switch	6-8 seconds
Load Acceptance Delay	12 seconds
Post-Resumption Run	20-230 seconds

Starting Methods

- Key start
- Automatic start upon grid failure

Construction

System Components

- Diesel engine
- Alternator
- Control box
- Booster
- Battery charger
- Inductive protection switcher