

50kVA Diesel Power Generator Set

This 50kVA diesel generator set provides a robust and reliable power solution for various applications. It features a diesel engine coupled with an alternator, enclosed in a soundproof canopy to minimize noise.



ADDITIONAL IMAGES



Overview

Reliable 50kVA Diesel Power Solution

This 50kVA diesel generator set is engineered for high-performance power generation in industrial, commercial, and residential environments. Featuring a water-cooled, four-stroke engine and a brushless synchronous alternator, it provides stable electricity with advanced automatic voltage regulation. The unit is housed in a sound-attenuated, weather-protective enclosure, ensuring quiet operation below 70 dBA while protecting internal components from harsh tropical conditions.

Performance Metrics

Core Performance

50 kVA

Prime Power

70 dBA

Noise Level @ 7m

10 hours

Fuel Autonomy

Engine Specifications

Starting System

- Engine driven dynamo
- Lead acid battery
- Battery charger

Engine Type

Four-stroke, multi-cylinder, water-cooled, direct fuel injection

Cooling System

Vertical fan cooled sectional radiator rated for tropical conditions

Alternator Details

Alternator Features

- Synchronous, four pole
- Brushless excitation
- Self-exciting and self-regulating
- Class H insulation
- IP-22 protection

Overload Capacity

10% engine overload for 1 hour in any 12 hour period

Control & Monitoring

Control Panel Functions

- OFF/AUTO/MANUAL/TEST modes
- Selectable Multifunction meter
- Engine control monitor
- Alternator voltage monitor
- Engine hours run counter
- Voltmeter and Ammeter
- Combined frequency and tachometer

Safety & Protection

Automatic Shutdown Triggers

Low Oil Pressure, High Engine Temperature, Low Fuel Level, Over/Under Speed, Battery Charge Fail

Enclosure & Physical

Enclosure Features

- Sound attenuated housing
- Hinged access doors with stainless steel hinges
- Key locking door latches
- Panel viewing window
- Exhaust silencer with rain cap
- Forklift pockets within base frame

Compliance & Quality

Standards & Certifications

IEC Standards • IEC 60034 • ISO 3046/11 • CE • ROHS • SGS

Warranty

Warranty Period

One year or 1000 hours of operation (whichever occurs first)