

## GENERATOR SET

# GS 050-PTY

## SPECIFICATION

**ISUZU**  
POWER  
SOLUTIONS

The Isuzu 50KVA Genset is a reliable source of power for those who never stop. No matter what. This durable, all-weather generator includes new sound suppression technology and a unique enclosure design that significantly reduces engine noise.



## AT A GLANCE

### UNIT

**Rated Output:** ■ 50 kVA / 40 kWe (Prime)

**Rated Voltage / Frequency:** ■ 415 VAC / 50 Hz

**Engine:** ■ Isuzu 4BG1T

**Emission Rating:** ■ Tier-2

**Fuel Tank Capacity:** ■ 160L

**Sound Level dB(A) @ 7m:** ■ 57 dB(A)

**Dimensions (L x W x H):** ■ 2000 x 950 x 1430 mm

**Weight:** ■ 1431 kg (dry)

### FEATURES

- Engine and alternator safety devices
- Lockable large maintenance doors
- Easy access to service items
- External oil drain, coolant drain and fuel drain ports
- Emergency stop, adjustable voltage regulator, battery isolator
- Power switch / air bleeding system
- Australian receptacles: 1 x 415V 50A (3PH), 1 x 415V 32A (3PH), 1 x 415V 20A (3PH) and 3 x 240V 15A (1PH)
- Earth leakage circuit breakers
- ComAp MRS16 generator controller
- Medium duty air cleaner with restriction indicator
- Internal / external fuel supply switching
- Complete fuel filtration with water separation
- Central lifting point
- Low fuel consumption, low maintenance
- Manufactured in Japan for Australian conditions
- Premium quality silent canopy

## SPECIFICATIONS

### GENERATOR

<b>Rated Output:</b>	50 kVA / 40 kWe (Prime)
<b>Rated Voltage / Frequency:</b>	415 VAC / 50 Hz
<b>Rated Current / Power Factor:</b>	69.6 / 0.80
<b>Alternator:</b>	Rotating Field, Brushless 3-Phase Synchronous Alternator, 4-Pole

<b>Winding / Insulation Class:</b>	3-Phase, 3-Wire / F
<b>Excitation:</b>	Self Excitation (Brushless)

### ENGINE

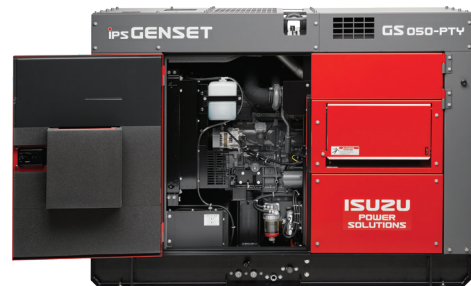
<b>Type:</b>	Water Cooled, 4-Cycle Diesel Engine
<b>Model / No. of Cylinders:</b>	Isuzu 4BG1T / 4
<b>Displacement:</b>	4.329 L
<b>Continuous Rated Output:</b>	48.5 kW @ 1500 RPM
<b>Combustion System:</b>	Direct Injection, Turbocharged
<b>Emission Rating:</b>	Tier-2
<b>Cooling Method:</b>	Radiator
<b>Cooling Water Volume:</b>	17.0 L (50-50% Water-Glycol)
<b>Lubricating Method:</b>	Forced Lubrication

<b>Lubricant Volume:</b>	13.2 L
<b>Fuel:</b>	Diesel Fuel (ASTM No. 2-D) only
<b>Fuel Consumption @ 100% Load:</b>	11.8 L/hour (approx.)
<b>Starting Method:</b>	Electric Start
<b>Starter Motor Capacity:</b>	24 V - 4.5 kW
<b>Charging Alternator Capacity:</b>	24 V - 20 A
<b>Battery / Battery Isolator:</b>	95D31R x 2 / 1-Pole

## KEY BENEFITS

### DESIGN

Lockable, large maintenance doors
Central lifting point
Easy access to service items
External oil drain, coolant drain and fuel drain ports
Emergency stop, adjustable voltage regulator, battery isolator
Power switch / air bleeding system
Medium duty air cleaner with restriction indicator
Internal / external fuel supply switching
Complete fuel filtration with water separation



### CONTROL PANEL

Premium ComAp IntelliLite MRS16 Generator Controller
Manual and Remote Start Applications
Complete Generator Set Monitoring and Protection
True Voltage RMS Measurement, 3-Phase Power Measurement
Load shedding, dummy load capability
PLC programmable
Detailed Event and Performance Log
Fuel Theft Protection and Fuel Level Monitoring

