

Model: MHL350S-1-MG

Powered by HUACHAI



MPMC Standard Features

- Lower Environmental Emission
- Renewable Feedstock Sources
- Safe Fuel Storage&Transportation
- High Power Generation Efficiency
- Superior Peak-shaving Capability
- Strong System Compatibility
- Replaceable filters,

General Information			Rated Power			
Frequency		Voltage	Prime Power		Standby Power	
Hz		V	kVA	kW	kVA	kW
50Hz	Rated	400V/230V	350	280	385	308
60Hz		480/277V	350	280	385	308
Power Factor			0.8 Lagging			
Engine			GS14M440HF-45			
Rated Speed			1500 RPM			
Fuel Type			Methanol			
Lube-oil Type			Lube-oil specially for methanol engines			
Alternator			LYG 314E			
Noise Level			50Hz		60Hz	
Average Value @1m,75%load	Series dB(A)		87.3		87.3	
Dimension and Weight			Open-type		Silent-type	
Length (L) mm			TBA		3950	
Width (W) mm			TBA		1600	
Height (H) mm			TBA		2300	
Net. Weight (kg)			TBA		6305	

Note: Specifications and illustrations are subject to revision without notice.

Environmental

Conditions

Ambient temperature:
+5°C~+40°C (Rated Power)
Altitude: ≤1000m
Anti-dust, anti-corrosion and
ultra-silent

*Remark: If your conditions are different from the above, please contact our sales.

Engine Specifications



Engine model	GS14M440HF-45
Emission	N/A
Number of cylinders	6
Cylinder arrangement	Vertical Inline
Cycle	Four stroke
Bore x Stroke	133 x 164mm
Displacement	13.67 L
Gross prime power /speed	324 kWm/1500 rpm
Gross standby power /speed	356kWm/1500 rpm
Cooling system	Forced water cooling
Steady State Stability Band at any Constant Load	$\leq \pm 0.5\%$
Starter motor	DC 24V
Charge alternator	DC 28V 1.96KW
<div> <input checked="" type="checkbox"/>Industrial silencer / <input type="checkbox"/>Residential silencer / <input type="checkbox"/>Critical silencer <input type="checkbox"/>Heavy duty air filter / <input checked="" type="checkbox"/>Single-core air filter <input checked="" type="checkbox"/>Anti-vibration mount <input type="checkbox"/>Coolant level sensor <input checked="" type="checkbox"/>Lube-oil pressure sensor <input type="checkbox"/>Lube-oil auto refilling meter <input type="checkbox"/>Smoke temperature sensor <input checked="" type="checkbox"/>Replaceable fuel filter, oil filter </div> <div> <input type="checkbox"/>Spark arrestor <input checked="" type="checkbox"/>-18℃ start up battery / <input type="checkbox"/>-45℃ start up battery <input checked="" type="checkbox"/>Flexible fuel connection hoses <input checked="" type="checkbox"/>Coolant temperature sensor <input type="checkbox"/>Lube-oil temperature sensor <input type="checkbox"/>Lube-oil auto refilling tank <input type="checkbox"/>Lube-oil manual pump <input type="checkbox"/>Breath box </div>	

Alternator Specifications



Alternator model	LYG314D
Number of phase	3
Power factor (Cos Phi)	0.8
Poles	4
Winding leads	6
Insulation level	H class
Temperature rise	H class
Excitation	SHUNT
IP rating	IP22
Bearing	Single bearing
Voltage regulator	± 1%
<input type="checkbox"/> Space heater	<input type="checkbox"/> Air filter (5% derating)
<input type="checkbox"/> Anti-harsh environment	<input type="checkbox"/> RTD <input type="checkbox"/> STD

Control Panel

DSE 4520 MKII

Auto start and auto mains failure control module
(Alternator frequency & can speed sensing)



Key benefits

- Ultimate size to feature ratio.
- Automatically transfers between mains (utility) and generator.
- Hours counter provides accurate information for monitoring and maintenance periods.
- User-friendly set-up and button layout for ease of use.
- Multiple parameters are monitored simultaneously which are clearly displayed on the largest back-lit icon display in its class.
- The module can be configured to suit a wide range of applications.
- Compatible with a wide range of CAN engines including Tier 4.
- IP65 rating (with optional gasket) offers increased resistance to water ingress.

Key features

- Auto Start and AMF mode in one module.
- J1939-75 support and CAN alarm ignore function.
- Alternator frequency & CAN speed sensing in one variant.
- Largest back-lit icon display in its class.
- Heated display option.
- Real time clock provides accurate event logging.
- Fully configurable via the fascia or PC using USB communication.
- Extremely efficient power save mode.
- 3 phase generator sensing.
- 3 phase mains (utility) sensing
- Compatible with 600 V ph to ph nominal systems.
- Generator/load power monitoring (kW, kVA, kVar, PF).
- Accumulated power monitoring (kWh, kVAh, kVarh).
- Generator overload protection.
- Generator/load current monitoring and protection.
- Fuel and start outputs (configurable when using CAN).
- 4 configurable DC outputs.
- 3 configurable analogue/digital inputs
- 4 configurable digital inputs.
- Configurable staged loading outputs.
- 3 engine maintenance alarms.
- Engine speed protection.
- Engine hours counter.
- Engine pre-heat.
- Engine run-time scheduler.
- Engine idle control for starting & stopping.
- Tier 4 engine instrumentation screens.
- Battery voltage monitoring.
- Start on low battery voltage.
- Configurable remote start input.
- 1 alternative configuration.
- Comprehensive warning, electrical trip or shutdown protection upon fault condition.
- LCD alarm indication.
- Event log (50)

Expansion option

- ☒ Deepsea 7320
- ☐ Deepsea 8610

Generator Options

Basement:

- ☐ fuel tank
- ☐ Fuel pipeline

Electrical system:

- ☒ CHINT Breaker / ☐ ABB Breaker / ☐ Schneider Breaker / ☐ Others:
- ☒ Manual breaker / ☐ Motorized breaker
- ☒ 3P Breaker / ☐ 4P Breaker
- ☐ RCD
- ☐ MEN
- ☒ External AC charger
- ☐ Socket:
- ☐ Plug:

Silent Generator Only:

- ☒ Galvanized canopy
- ☐ Stainless steel canopy & hardware
- ☒ Sponge materials / ☐ Rock wool with mesh plate
- ☒ IP 21 / ☐ IP 22 / ☐ IP 23
- ☐ Zinc alloy door lock
- ☐ Zinc alloy hinge
- ☐ Access door for radiator
- ☐ Aluminum canopy



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*All information in this document is substantially correct at time of printing and may be altered subsequently. Final weight and dimensions will depend on completed specification.