



**MULTIPHASE  
POWER**

Diesel Generator Set

# MPC60S

Powered By Cummins

50 Hz / 1500 RPM



**MULTIPHASE CORPORATION CO., LTD.**

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# MPC60S



MODEL	FREQUENCY / RPM	STANDBY POWER	PRIME POWER
MPC60S Powered by Cummins	50 Hz/1500 RPM	66 kVA	60 kVA
		52.8 kW	48 kW

- Model : MPCxxCS – S Suffix for silent type

## GENERAL INFORMATION

Model	MPC60S
Engine	Cummins 4BTA3.9-G11
Rated Voltage	400V
Phase	3 Phase
Stamford Alternator	Stamford S1L2-Y1
Other Alternator	n/a
PF	0.8
Controller Model	DSE7320

### Applicable Standards

- ISO 8528-5:2018
- GB/T2820.5-2009
- CE

### Environmental Conditions

- Ambient Temperature: +5C - +40C
- Altitude: 1000m

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

### Factory Inspection

- Complete design and quality inspection
- 0%, 25%, 50%, 75%, 100%, 110% Load Test.
- Function Test
- Protection Test
- Visual Inspection

## ENGINE SPECIFICATION

Engine Model	Cummins 4BTA3.9-G11
Emission	n/a
Cylinder Arrangement	Vertical inline
Number of Cylinders	4
Cycle	4 Stroke
Aspiration	Turbocharged
Bore x Stroke (mm)	102 x 120 (mm)
Displacement (L)	3.9 L
Speed Governor	E

Engine Gross Prime Power	70.0
Engine Gross Max. Power	80.0
Lube-oil Capability (L)	10.9
Fuel Consumption @110% load (L/h)	22.11
Fuel Consumption @100% load (L/h)	20.1
Fuel Consumption @75% load (L/h)	15.08
Fuel Consumption @50% load (L/h)	10.05
Starter Motor / Charger Alternator	24 vdc
Switchable	Y

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## ALTERNATOR SPECIFICATION

Alternator Model	Stamford S1L2-Y1	Rated Speed (RPM)	1500
Rated Output Power (kVA)	62.5	IP Protection Class	IP 23
Alternator Type	Brushless	Insulation Grade	H
Poles	4	Winding Pitch	2/3
Exit Leads	12	Bearing	Single
Rated Voltage (V)	400	Coupling	Flexible Disc

## CONTROL SYSTEM DATA (DSE7320)



### Main Feature

The DSE7320 will also monitor the mains (utility) supply. The modules include USB, RS232 and RS485 ports as well as dedicated DSENet® terminals for system expansion.

### Key Function

- 4-Line back-lit LCD text display
- Five key menu navigation
- Front panel editing with PIN protection
- Customisable status screens
- Power save mode
- 9 configurable inputs
- 8 configurable outputs
- Flexible sender inputs
- 3 configurable maintenance alarms
- Multiple date and time scheduler
- Configurable event log (250)
- Integral PLC editor
- Easy access diagnostic page
- CAN and Magnetic Pick-up/Alt. sensing
- Fuel usage monitor and low fuel alarms
- Charge alternator failure alarm
- Manual speed control (on compatible CAN engines)
- Power monitoring (kWh, kVAR, kVAh, kVArh)
- Load switching (load shedding and dummy load outputs)
- Automatic load transfer (DSE7320)
- Start & stop capability via SMS messaging
- USB connectivity
- Tier 4 CAN engine support
- DSENet ® expansion compatible etc.

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