



**MULTIPHASE**  
**POWER**

Diesel Generator Set

# MPC1250SC

Powered By SDEC

50 Hz / 1500 RPM



**MULTIPHASE CORPORATION CO., LTD.**

90 CW Tower, Room No.A2102, 21st Floor, Ratchadapisek Road,  
Kwaeng Huai Khwang, Khet Huai Khwang, Bangkok 10310

Tel: +66 02 168 3193-5 #109 Fax: +66 02 168 3192

Email: [marketing@multiphase-corp.com](mailto:marketing@multiphase-corp.com) Website: [www.multiphase-power.com](http://www.multiphase-power.com)

Facebook: [www.facebook.com/MultiphasePower](http://www.facebook.com/MultiphasePower) Line ID: @multiphasepower



# MPC1250SC



MODEL	FREQUENCY / RPM	STANDBY POWER	PRIME POWER
MPC1250SC Powered by SDEC	50 Hz/1500 RPM	1375 kVA	1250 kVA
		1100 kW	1000 kW

- Model : MPCxxCS – S Suffix for silent type

## GENERAL INFORMATION

Model	MPC1250SC
Engine	SDEC 6WTAA35-G311
Rated Voltage	400V
Phase	3 Phase
Stamford Alternator	Leroy Somer LSA50.2M6
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	SDEC 6WTAA35-G311
Emission	n/a
Cylinder Arrangement	In-Line
Number of Cylinders	4
Cycle	4 Stroke
Aspiration	Turbocharged and Charge Air Cooled
Bore x Stroke (mm)	186 x 215 (mm)
Displacement (L)	35.1
Speed Governor	ECM

Engine Gross Prime Power (kw.)	1120
Engine Gross Max. Power (kw.)	1230
Lube-oil Capability (L)	100
Fuel Consumption @110% load (L/h)	314.6
Fuel Consumption @100% load (L/h)	286
Fuel Consumption @75% load (L/h)	214.5
Fuel Consumption @50% load (L/h)	143
Starter Motor / Charger Alternator	24 vdc
Switchable	N

### MULTIPHASE CORPORATION CO., LTD.

90 CW Tower, Room No.A2102, 21st Floor, Ratchadapisek Road,  
Kwaeng Huai Khwang, Khet Huai Khwang, Bangkok 10310 Tel: +66 02 168 3193-5  
Website: www.multiphase-power.com Line ID: @multiphasepower



## ALTERNATOR SPECIFICATION

<b>Alternator Model</b>	Leroy Somer 50.2M6	<b>Rated Speed (RPM)</b>	1500
<b>Rated Output Power (KVA)</b>	1250	<b>IP Protection Class</b>	IP 23
<b>Alternator Type</b>	Brushless	<b>Insulation Grade</b>	H
<b>Poles</b>	4	<b>Winding Pitch</b>	2/3
<b>Exit Leads</b>	6	<b>Bearing</b>	Single
<b>Rated Voltage (V)</b>	400	<b>Coupling</b>	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
- Flexible sender inputs
- Configurable timers and alarms
- 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)
- Automatic load transfer (DSE7320)
- Backed up real time clock
- Start & stop capability via SMS messaging
- USB connectivity
- Tier 4 CAN engine support
- DSENet® expansion compatible etc.

### MULTIPHASE CORPORATION CO., LTD.

90 CW Tower, Room No.A2102, 21st Floor, Ratchadapisek Road,  
Kwaeng Huai Khwang, Khet Huai Khwang, Bangkok 10310 Tel: +66 02 168 3193-5  
Website: www.multiphase-power.com Line ID: @multiphasepower



## OPTION

Base Frame Assembly		
Base Fuel Tank	No base Fuel Tank	1
Battery	240AH/24V Battery	1
Battery Isolate Switch	Single Pole Isolate Switch	1
Container-type Canopy		
Standard Container	20 HC	
Air Inlet System		
Air Inlet Filter	Air filter for engine	1
Switchgear		
ABB ACB	ABB ACB 3P 2000A	1
Option		
Fuel Tank	3600L Single-skin Fuel Tank	1
Control Panel Assembly		
Smartgen Floating charger	BAC06	1
DeepSea Controler	DSE 7320	
Smoke Exhaust System Assembly		
Fiberglass Insulation	High temperature electronic glass fiber barrier (Width:180 mm)	1
Smoke Exhaust Pipes	Shockproof joint (304 ss.)	1
Industrial Grade Silencer	Industrial Grade Silencer	1

### MULTIPHASE CORPORATION CO., LTD.

90 CW Tower, Room No.A2102, 21st Floor, Ratchadapisek Road,  
Kwaeng Huai Khwang, Khet Huai Khwang, Bangkok 10310 Tel: +66 02 168 3193-5  
Website: www.multiphase-power.com Line ID: @multiphasepower

