

POWER YOUR FUTURE

SDEC Generator  
LG650SD

6KTAA25-G31

Prime Power: 650KW/812.5KVA  
Standby Power: 715KW/893.75KVA



## GENERATING POWER SOLUTIONS

### Increased availability for new operations

Reliable, robust and versatile generator.  
Ready to deliver power for a next job.

### Increased uptime during operations

Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

### Reduced transport and installation costs

The compact and robust design with integrated transport features enables faster and safer transport and installation.

### Reduced service & maintenance costs

Longer service intervals.  
Quicker and more efficient service jobs.

### Premium resale value

Designed and built to last.

#### SAFETY

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance checks without fail.

SDEC Series

28KVA--1000KVA



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## Technical Data

Model	LG650SD	
Rated prime power	kva	812.5
Rated standard power	kva	893.75
Rated voltage line to line	V	400/230
Rated current	A	1173
Maximun sound level	dB(@7m)	102

## Engine-SDEC

Model	6KTAA25-G31	
Aspiration	Inline, four stroke, water cooled, pressurized air cooled	
Fuel system	Electronically controlled common rail pump	
No. cylinders	6in line	
Displacement	Liquid	25.18
Bore*Stroke	mm	170*185
Compression ratio	14.5:1	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	728
Governor type	ECU	
Start Motor	V	24V×9kW

## Exhaust System

Exhaust gas flow	m <sup>3</sup> /h	8330
Exhaust gas temp	°C	500
Max back pressure	kPa	10

## Aspiration System

Max inlet pressure	kPa	11
Air flow	m <sup>3</sup> /h	3210
Fan consumption	KW	22

## Fuel System

100% load(Prime power)	L/h	163
75% load(Prime power)	L/h	124
50% load(Prime power)	L/h	84
Fuel tank capacity	L	1450

## Lubrication System

Oil capacity	L	70
Oil consumption	g/kwh	≤4
Lub. Method	/	
(continuous operation)		

## Cooling System

Coolant capacity	L	55
Thermostat operation range	°C	77-90
Max water temperature	°C	104

## Alternator

Model	LONGKAI	LK634C
	STAMFORD	LV1634C/HCI634G-S6L1D-C4
Phase	3	
Voltage	V	400/230
Wiring Type	3 Phase 4 wire, Y type	
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	640
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

## Controller-DEESEA

Model	DSE6120MK3
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Protective functions:

- Low oil pressure
- High water temperature
- High/low voltage
- High Engine Temperature and Overspeed.
- Voltage regulator frequency regulator
- Emergency stop
- Start failure



## Control Module Options



- Auto generator control module
- Control module with "Three Remote Control" functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

### Standard Features

- Engine(SDEC)
- Radiator 50°C max,fans are driven by bel
- 24V charge alternator
- Alternator: single bearing alternator IP23, insulation class H/H
- Standard auto control system
- One set of air filter, fuel filter, oil filter
- Main line circuit breaker/MCCB
- Base fuel tank
- Two 24V batteries, rac and cable
- Exhaust system(Ripple flex exhaust pipe, exhaust siphon, flange, muffler)
- User manual

### Options

- Battery charge
- Engine heater
- Alternator heater
- PMG
- Water oil separator
- Daily fuel tank
- Remote control panel
- Automatic transfer switch/ATS
- Switch box
- Standard: ●                      Options:○

### Warranty\*

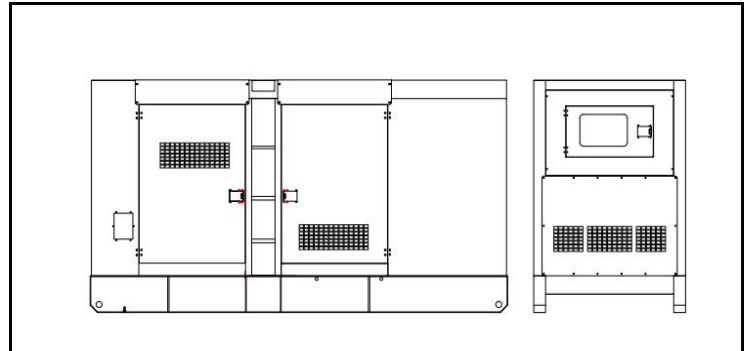
#### SDEC Engine

24 months from date of purchase and 3000 hours.

#### Generator

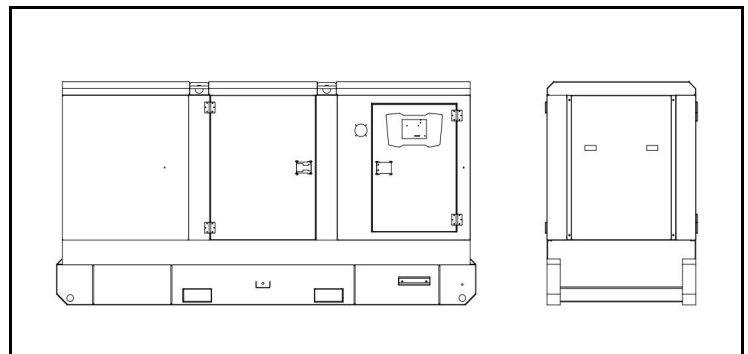
12 months from date of purchase or 1000 hours (whichever occurs first).

### Unit Dimensions(Basic unit)



#### Denyo Silent Type

L*W*H	mm	3600*1500*2060
Weight	kg	4706



#### Atlas Silent Type

L*W*H	mm	5680*2100*2500
Weight	kg	10000