

# Power Cell DIESEL GENERATOR

Lambert Series  
Diesel Generator Set/50Hz  
250KVA

## Features

- » Compact structure with high-strength chassis;
- » Easy operation and maintenance, low cost;
- » Excellent performance damping
- » Compliance with international electrical safety standards of electrical
- » 8 hours base tank;
- » High-performance maintenance-free batteries with isolation switch;
- » 50°C Radiator;
- » Forklift bottom hole design, easy to transport;
- » Industrial muffler;
- » Noise reduction structure, low noise;
- » Convenient power output interface;
- » IP56(control system);
- » Customized design for user;



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## Technical Data

Model		LM250
Prime power	kW	200.0
	kVA	250.0
Standby power	kW	220.0
	kVA	275.0
Rated voltage	V	400/230
Rated current	A	361
Sound level	dB(@7m)	≤72

## Engine

Brand	Lambert	
Model	6D10D258A	
Aspiration	Turbo	
No. of cylinder	6	
Fuel injection system	direct injection	
Displacement	Liquid	9.7
Bore/Stroke	mm	126×130
Compression ratio	17	
Rated speed	rpm	1500
Rated power	kW	235
Governing method	Electrical	
Starting Motor	V	24

## Exhaust System

Exhaust gas flow	m <sup>3</sup> /min	35
Exhaust gas temp	°C	470
Max back pressure	kPa	8

## Air Intake System

Max intake restrictio	kPa	6.2
Consumption	m <sup>3</sup> /min	13
Air flow	m <sup>3</sup> /min	326

## Fuel System

100% load	L/h	60
75% load	L/h	40
50% load	L/h	30
Fuel tank capacity	L	720

## Lubrication System

Oil capacity	L	27
Oil consumption	g/kw.h	≤4
Min oil pressure	Mpa	276

## Cooling System

Coolant capacity	L	45
Thermostat	°C	82-93
Top tank temperatur	°C	104

## Alternator

Model	STAMFORD	UCDI274K
Phase	3.0	
Voltage	V	400/230
Wiring type	3 Phase 4 wire	
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	kW	200
Exciter type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection grade	IP23	
Insulation grade	H/H	
Altitude	m	≤1000

## Controller

Brand	Smartgen
Model	HGM6120

- Generator & load power monitoring (kW, kV A, kV Ar, pf)
- Generator overload protection (kW)
- Generator/load current monitoring & protection
- Configurable analogue/digital inputs
- Configurable DC, volt-free and staged loading outputs
- CAN, MPU & alternator speed sensing
- Tier 4 CAN engine support
- Configurable event log (50)
- DSE Configuration Suite PC Software
- Fuel and start outputs (configurable on CAN)



## Dimension and Weight

	Open type	Silent type
Model	EP-LM250	EPS-LM250
Length(L) (mm)	3000	3530
Width(W) (mm)	1100	1180
Height(H) (mm)	1700	2150
Weight (kgs)	1970	2950