

EZ-POWER

EQUIPMENT

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EZ-250

GENERATING SET (TECHNICAL DATA SHEET)

Standard Specifications:

1- Prime Rating:

Unlimited hours usage, with an average load factor of 80% over each 24 hour period. 10% overload is available for 1 hour in every 12 hours operation. 0 overload is permitted on standby power.

2- Standby Rating:

Limited to 500 hours annual usage, with an average load factor of 80% of the published standby power rating over each 24 hour period. Up to 300 hours of annual usage may be run continuously. No overload is permitted on standby power.

3- Engine:

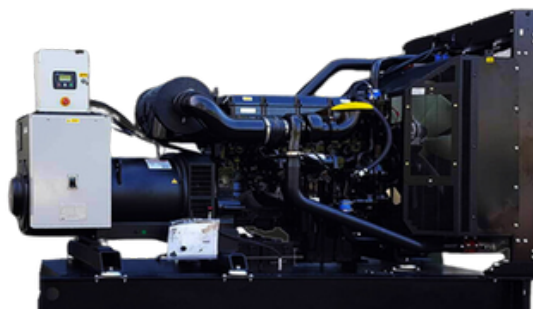
Perkins, including air filters, fuel filters, oil filter, starting motor and charging alternator etc.

4- Alternator Type:

brushless AC alternator

5- Radiator:

50°C, fan protective shroud



Output Rating:

PRIME:

STANDBY:

60 Hz—1800 Rpm 480 V, 3ph

225 kVA

180 kW

250 kVA

200 kW

ENGINE SPECIFICATIONS

Engine Make	PERKINS
Engine Model	1206A- E70TAG2
No. of Cylinders	6 vertical in-line
Cycle	4 Stroke
Aspiration	Turbocharged after cooled
Cooling Method	Water cooled
Governing Type	Electronic
Governing Class	G2 - ISO 8528 Part 1 16.1:1
Compression Ratio	8.8 L
Displacement	112 x 149 mm
Bore/Stroke	45AMP, 24V
Dynamic Charging Alternator	

ALTERNATOR SPECIFICATIONS

Alternator Make	EZ I Leroy Somer STAMFORD
Alternator Model	EZ I TAL-A46-C UCD274K
Number of Poles	4
Number of Winding Leads	6
Type of Bearing	Single Bearing
Insulation Class - Temp Rise	Cont. H - 125/40 C
Ingress Protection Rating	IP 23
Excitation System	Self Excited
AVR Model	R150

Comply with Standards

ISO3046,BS5514,DIN6271,NEMA-MGI, DIN EN, BS 5000, IEC 60034,IEC 60947-2

Alternator Operating Data

Over speed	2250 rpm
Voltage Regulation	± 1%
Harmonic Coefficient THF	< 2.5%
Tel. influence TIF	< 50
Cooling air flow	0.48 m3/ Sec

Powered By:

Perkins

Diesel Generator

STAMFORD
power generation

LEROY-SOMER

meccalte

DSE



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Standard Specifications:

6- Fuel Tank:

Capacity of fuel tank is for 8-10hours running

Built-in fuel tank up to 800 kVA

7- Circuit Breaker:

3poleLSMCCB

8- Control system alarms:

• • • • •

- Over and Under Speed
- Low and High Battery Volt.
- Start and Stop Failure
- Over Current
- Under / Over Generator Voltage
- Low Oil Pressure
- Emergency stop
- High engine temperature

9- Warranty policy:

- EZ POWER products has a warranty for 12 Months or 1000 hours whichever occurs first against any manufacturing defects
- Wearing parts (filters), incorrect man made operation, maintenance failures are excluded from the warranty policy

Acoustic Enclosure Specifications:

Enclosure Type	Acoustic & Weather Proof
Drainage Provision	Fuel and Water Drainage
Transportation	Tested Single Point Lifting Facility & Forklift Pockets
Ingress Protection Rating	IP 23
Lifting	ISO Standard Lifting
Canopy RAL Color	TAL 9010 RAL 9011
Base frame RAL Color	
Noise Pressure level @ 7m	85 dB(A)±3dB(A)

Control System:

Large back-lit text display

Multiple displaylanguages

DSENET expansioncompatible

Data logging facility

Fully configurable via PC using USB communication

Front panel configuration

Efficient power save mode

3 phase generator sensing

Accumulated power monitoring (kWh, kVA h, kVA r h)

Generator/load current monitoring and protection (kW)

Breaker control via fascia buttons

Fuel and start outputs, configurable using can

4 configurable DC outputs

4 configurable analogue/digital inputs

Automatically transfers between mains (utility) and generator

Increased input and output expansion capability via dsenet

IP65 rating (with optional gasket) offers increased resistance to water ingress

Digital inputs; Analogue Inputs



DSE6110 MKII

AUTO START & AUTO MAINS
FAILURE CONTROL

Dimensions:

Type	Length (mm)	Width (mm)	Height (mm)	Fuel Tank (L)	Weight (KG)
OPEN	3015	1000	1980	515	1975
CLOSED	4414	1614	2235	760	3290

Note: The following dimensions are for preliminary guidance. For more detailed and accurate dimensions, please refer to the General Arrangement Drawing (GAD).



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Engine:



Perkins heavy duty high performance industrial type diesel engine.

COOLING SYSTEM

Total Coolant Capacity (L)	25 L
Radiator Fan Load	9 kW
Heat Radiation to Room (PRP)	15 kW
Heat Radiation to Room (ESP)	15 kW

LUBRICATION SYSTEM

Oil Filter Type	Spin-On Full Flow
Total Oil Capacity	16 litres
Oil Type	API CH4/C14; SAE 15W-40

EXHAUST SYSTEM

Muffler Type	Industrial Grade
Max. Back Pressure	10 kPa
Exhaust Gas Flow (PRP/ESP)	34.4 /35.7 m ³ / min
Exhaust Gas Temperature	< 475 °C

FUEL SYSTEM

Recommended Fuel	Class A2 Diesel
Fuel Consumption Standby	56.6 L/hr
Fuel Consumption 100% PRP	51 L/hr
Fuel Consumption 75% PRP	38 L/hr
Fuel Consumption 50% PRP	25.5 L/hr

AIR SYSTEM

Air Filter Type	Dry Element
Combustion Air Flow (PRP)	143.5 m ³ /min
Combustion Air Flow (ESP)	14.1 m ³ /min
Max Air Filter Intake Restriction	6.2 kPa

Optional configurations:

Engine accessories:

Heavy-duty air filter
Coolant heater
Lubricant oil heater
Fuel and Water Separator
Lube oil rotary pump

Alternator And Accessories:

Leroy somer/stamford
Anti condensation heater
PMG + AVR ◇ Double bearing
Alternator High voltage _____ kV
RTDs for Bearing and winding

Cooling System:

55 degree Radiator
Remote Radiator

Control System:

AMF
Parallel
Practical type in low temperature environment
Control Screen Heater
Remote Annunciators
Other (Comp, DEIF)

Circuit Breaker:

3/4 poles
Fixed/handcart type
Electric mechanism

Automatic Transfer Switch (ATS):

ATScabinet
Contractor type ATS
Motorized changeover type ATS

Start Battery:

Nickel-cadmium battery
Maintenance-free battery
Battery charger and selector switch
Charging current meter

External Fuel Tank:

Single/doublewall fuel tank (500-5000 L)
Fuel Transfer pump

Exhaust Muffler:

Residential grade
Critical grade
Hospital grade

Available for voltages :

400/230V, 480/277V, 380/220V, 440/254V,
416/240V, 220/127V, 208/120V

De-rating may apply.



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