



About Product

GO-BUSINESS generator sets provide a reliable solution to meet your power requirements and ensure business continuity. These generator sets, which are suitable for all kinds of applications, help meet the needs of your business with quality production and wide support opportunities.

Power (kVA)

VOLTAGE	STANDY-BY POWER (ESP)		PRIME POWER (PRP)		3 Faz,50 Hz
	kW	kVA	kW	kVA	Ampere
400/231	32,00	40,00	28,00	35,00	166,66

Stand By Rating (ESP): It is the power capacity used to meet the variable electrical load requirement in the event of a reliable mains supply failure.

Prime Rating (PRP): It refers to the continuous working power under variable load, 10% overload can be done every 12 hours.

General Features

Model Name	GBYD-40
Frequency (HZ)	50
Fuel Type Used	Diesel
Engine Make and Model	YANGDONG Y4102D
Alternator Brand and Model	Business
Control Panel	Datakom (TR)
Cabin	GB-40

Engine Features

Engine	YANGDONG
Engine Model	Y4102D
Number of Cylinders (L)	4 cylinders - in line
Bore (mm.)	102
Stroke (mm.)	118
Cylinder Volume (lt.)	3,875
Air intake	Naturally Aspirated
Compression Ratio	18:1
Speed (rpm)	1500

Oil Capacity (Including Filter) (lt)	13,0
Cooling Liquid Capacity (lt)	7,2
Fuel Type Used	Diesel
Injection and System Type	Direct
Governor System	Mechanic
Cooling system	Water Cooled
Battery Capacity (Ah)	120
Air filter	Dry Type
Prime 100% Load Fuel Consumption (lt/hour)	8,94
Prime 75% Fuel Consumption at Load (lt/hour)	6,80
Prime Fuel Consumption at 50% Load (lt/hour)	5,04
Prime 25% Load Fuel Service (lt/hour)	3,01

Yangdong powered diesel generators are manufactured by Yangdong Co. a China-based company. Ltd. generators manufactured and sold by Yangdong was established in 1956, is a company specializing in the production of diesel engines, generators and agricultural machinery.

Note: Since product specifications and available models may change over time, it is important to visit Yangdong official website or authorized distributors for detailed information.

Yangdong Engine Official Website : www.yangdongengine.com

Engine groups used in our products; Heavy-duty 4-stroke industrial diesel delivers reliable power, low emissions and quick response to load changes.

The standard integrated kit-mounted radiator system, designed and tested for engine cooling system rated ambient temperatures, simplifies plant design requirements for rejected heat.

Alternator Features

Alternator Brand	Business
Frequency (HZ)	50
VOLTAGE (V)	230/400
Phase	3
Automatic Voltage Regulator	(+/-)1%
Insulation System Protection	H
Class	IP21 - IP23
Power Factor	0.8

- Brushless, Single Bearing, Flexible Disc 4-Pole Synchronous Alternator
- H Insulation Class
- IP21-23 Protection Class

- With Electronic Voltage Regulator
- Stator Winding 2/3 Steps Against Harmonic Distortions
- Alternator Windings are Protected with Oil and Acid Insulation Varnish

GO-BUSINESS GENERATOR reserves the right to make changes in the model, technical specifications, colors, equipment and accessories of its products without prior notice. However, we always guarantee that it has the highest quality standards and features.

DSE6110/20

AUTO START & AUTO MAINS FAILURE CONTROL MODULES

FEATURES



DSE6120

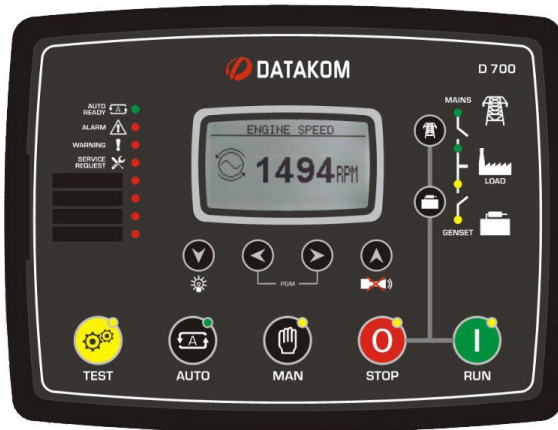
DSE6110



D500/MK3/LITE/D700

AUTO START & AUTO MAINS FAILURE CONTROL MODULES

FEATURES



It supports many languages such as Turkish, English, Spanish, French and Chinese. Datakom control panels can be set in different languages depending on the country in which they are used. Different languages can be loaded onto the device with Rainbow Plus.

SPECIFICATION

MAXIMUM OPERATING CURRENT
178 mA at 12 V, 95 mA at 24 V

MAXIMUM STANDBY CURRENT
88 mA at 12 V, 50 mA at 24 V

CHARGE FAIL/EXCITATION RANGE
0 V to 35 V

MAINS (UTILITY) DSE6120 ONLY VOLTAGE RANGE
15 V - 333 V AC (L-N)

0 to 300 V-AC (Ph-N)

FREQUENCY RANGE
3.5 Hz to 75 Hz

0-600 Hz.

OUTPUTS

OUTPUT A (FUEL)
2 A DC at supply voltage

OUTPUT B (START)
2 A DC at supply voltage

AUXILIARY OUTPUTS C,D,E & F
2 A DC at supply voltage

Mains and genset contactor outputs:
16Amps@250V

DC Outputs: Protected mosfet semiconductor outputs,

rated 1Amp@28V-DC

Cranking dropouts:

Survives 0V for 100ms

GENERATOR VOLTAGE RANGE
15 V - 333 V AC (L-N)

Mains voltage:
0 to 300 V-AC (Ph-N)

FREQUENCY RANGE
3.5 Hz to 75 Hz

MAGNETIC PICKUP VOLTAGE RANGE
+/- 0.5 V to 70 V

FREQUENCY RANGE
10,000 Hz (max)

DIMENSIONS

OVERALL
215 mm x 158 mm x 42 mm
8.5" x 6.2" x 1.6"

PANEL CUT-OUT
182 mm x 137 mm
176 mm x 121 mm.

MAXIMUM PANEL THICKNESS
8 mm
0.3"

STORAGE TEMPERATURE RANGE
-40 °C to +85 °C
-40°C to 80°C (-40 to +176°F)

RELATED MATERIALS

TITLE

DSE6110 Installation Instructions
DSE6120 Installation Instructions
DSE6100 Quick Start Guide
DSE6100 Operator Manual
DSE6100 Configuration Suite PC Manual

RELATED MATERIALS

TITLE

Installation Instructions
User Manual
NFPA Application Note
Operator Manual
Configuration Suite PC Manual

Cabinless Generator Dimensions (mm)

Size	1700
Most	1000
Height	1200
Dry Weight (kg.)	-
Fuel Tank Capacity (lt.)	140

Cabin Generator Dimensions (mm)

Size	2150
Most	1000
Height	1200
Dry Weight (kg.)	-
Fuel Tank Capacity (lt.)	140



- Container and modular cabin production
- 65-85 dB. sound insulation between
- Anti-vibration vibrati wedges
- Corrosion resistant locks and hinge
- Easy transport with forked chassis legs
- Cover for easy access to the control panel
- Concealed exhaust
- Emergency stop button
- Design suitable for easy generator maintenance
- Lockable doors on both sides
- Weldless bolt, nut cabinet assembly

Cab and Chassis

Chassis and Durability: The rigid structural design, made of steel used for the generator set, provides the strength to carry the weight of the generator and is supported by anti-vibration mounts to minimize the vibration level. This ensures stable operation and long life of the generator.

Anti-Vibration Mounts: Anti-vibration wedges, which help to reduce the vibration level of the generator, absorb the vibration that may occur during operation and create less disturbance for the environment.

Lifting Eyes: The lifting eyes on the chassis provide convenience during the transportation and assembly of the generator.

Special Design Solutions: In addition to standard chassis, special design solutions can be offered in line with customer demands. This allows to tailor the transport and placement of the generator to the needs of the project.

Fuel Tank Integration: In small power generator sets (less than 1600 kVA), the fuel tank is produced integrated into the chassis. This optimizes space and the assembly process.

Large Power Generator Sets and Fuel Tank: In generator sets with a power greater than 1600 kVA, the rectangular type fuel tank is provided separately with the generator set. This provides more fuel storage capacity.

Fuel Level Indicator: Both types of fuel tanks have a level indicator that displays the fuel level. This simplifies fuel management and maintenance.