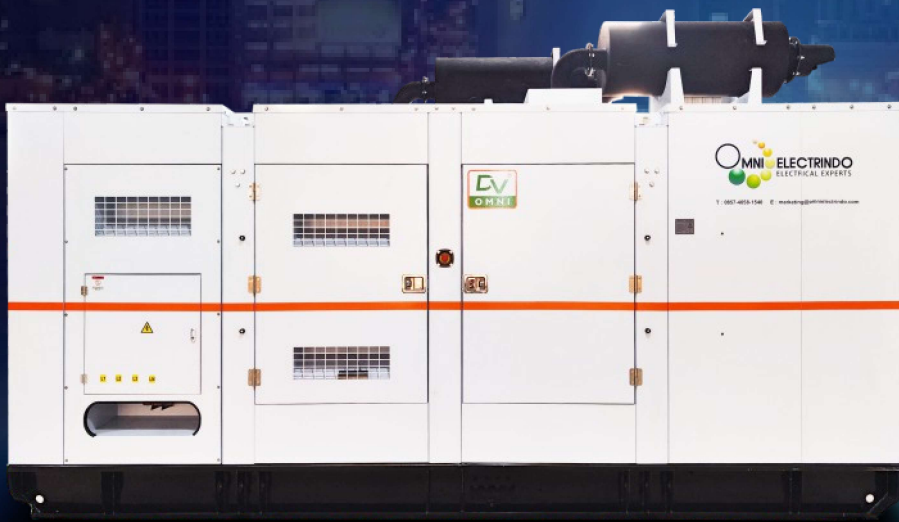




POWER GENERATOR



**Power Range :
20KVA-2500KVA**

UNSTOPABLE ENERGY SOLUTION

Diesel Power Generator



Power Range : 20KVA-2500KVA

DV-Omni FAW Series

DV22F Technical Data

20KVA/16KW



Features

- ♦ FAW Engine 4DW91-29D
- ♦ Kwise Alternator KAL184A1
- ♦ Smartgen Controller HGM6120N
- ♦ MCCB Breaker
- ♦ Base fuel tank
- ♦ Emergency stop button, alarm, panel light
- ♦ 12/24V maintenance free battery, battery wires
- ♦ Float battery charger
- ♦ Battery isolator switch
- ♦ Powder coated canopy
- ♦ Anti-vibration mountings
- ♦ Radiator with engine driven fan mounted
- ♦ Silencers with flexible connects and elbow
- ♦ Test report, drawing, operation and maintenance manual

Genset Main Data

Genset Model	DV22F	
Prime Power	16KW / 20KVA	
Standby Power	17.6KW / 22KVA	
Frequency/Speed	50Hz/1500rpm	
Standard Voltage	380V/220V	
Power Factor	0.8	
Phases	Three phases, four wires	
Fuel Cons. (L/H)	110% prime power	4.917
	100% prime power	4.47
	75% prime power	3.3525
	50% prime power	2.235
Dimensions(L×W×H)mm	Open	Silent
	1680*650*1030	1900*850*1100
Weight (kg)	539	797
Base fuel tank (Hour)	8h	

Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation. In accordance with ISO 3046-1.

Standby Power Rating is applicable for supplying emergency power in variable load applications for up to 200 hours per year in accordance with ISO8528-1. Overload is not allowed.

Engine Data

Engine Model	4DW91 -29D
Brand	FAW
Engine Speed	1500rpm
Gross Prime Power(Kw)	21KW
Bore and Stroke	90*100
Cy/No. and Arrangement	4-cylinder Vertical,Water cooling,four stroke
Displacement(L)	2.545
Compression Ratio	17:01
Minimum fuel consumption (g/kW.h) 100% load	≤235
Aspiration	Natural-Intake
Governor Type	Mechanical
Starter (V)	12V



Data Alternator

Alternator Model	KAL184A1
Brand	Kwise
Output Power(Kw)	16kw
Voltage Control	AVR
Number of Phase	3
Power Factor (Cos Phi)	0.8
Insulation Class	H
Protection	23
Altitude	≤ 1000 m
Number of Pole	4
Voltage Regulation	±0.5%
Total Harmonic Distortion	at no load < 4 % - on load < 4 %
Bearing	Single
Connection	Series Star
Coupling	Direct

Control System



Smartgen Panel Module HGM6120N

HGM6120N series genset controller is an intelligent, micro-processor-based control system designed for single-generator management, **making it especially suitable for automation systems composed of mains and gensets**. It seamlessly integrates digital monitoring, precision measurement, and "three remote" functionality (control, measurement, and communication) with built-in alarm protection and automatic mains/generator switching (AMF).

Featuring a multi-language LCD display, compact build, and simple connections, the controller delivers high reliability and effortless configuration directly from the front panel or via PC (USB/RS485).

Optional

Genset

- * Trailer
- * Dual frequency (50/60hz both)
- * Customised canopy design
- * Special required sound level
- * 50°C ambient temperature
- * Synchronization system

Exhaust System

- * Customised exhaust connection way

Alternator

- * PMG
- * Drop kits
- * Anti-condensation heater
- * Winding temperature measuring instrument
- * Single phase
- * Double bearing
- * Anti-damp and anti-corrosion treatment

Engine

- * Water jacket preheater
- * Lub oil heater
- * Electronic governor

Fuel System

- * Dual wall base fuel tank
- * Enlarge base fuel tank
- * External daily fuel tank
- * External Fuel Pump
- * Low fuel level alarm
- * Automatic fuel feeding system
- * Fuel three-valves

Controller

- * Remote control system
- * Synchronization controller
- * ATS

Diesel Power Generator



Power Range : 20KVA-2500KVA

DV-Omni FAW Series

DV33F Technical Data

30KVA/24KW



Features

- ♦ FAW engine 4DW92-39D
- ♦ Kwise alternator KAL184E3
- ♦ Smartgen Controller HGM6120N
- ♦ MCCB Breaker
- ♦ Base fuel tank
- ♦ Emergency stop button, alarm, panel light
- ♦ 12/24V maintenance free battery, battery wires
- ♦ Float battery charger
- ♦ Battery isolator switch
- ♦ Powder coated canopy
- ♦ Anti-vibration mountings
- ♦ Radiator with engine driven fan mounted
- ♦ Anti-vibration mountings
- ♦ Silencers with flexible connects and elbow
- ♦ Test report, drawing, operation and maintainance manual

Genset Main Data

Genset Model	DV33F	
Prime Power	24KW / 30KVA	
Standby Power	26KW / 33KVA	
Frequency/Speed	50Hz/1500rpm	
Standard Voltage	220V/380V	
Power Factor	0.8	
Phases	Three phases, four wires	
Fuel Cons. (L/H)	110% prime power	6.017
	100% prime power	5.47
	75% prime power	4.1025
	50% prime power	2.735
Dimensions(L×W×H)mm	Open	Silent
	1720*650*1130	1870*860*1030
Weight (kg)	680	900
Base fuel tank (Hour)	8h	

Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation. In accordance with ISO 3046-1.

Standby Power Rating is applicable for supplying emergency power in variable load applications for up to 200 hours per year in accordance with ISO8528-1. Overload is not allowed.

Engine Data

Engine Model	4DW92 -39D
Brand	FAW
Engine Speed	1500rpm
Gross Prime Power(Kw)	29KW
Bore and Stroke	90*100
Cy/No. and Arrangement	4-cylinder Vertical,Water cooling,four stroke
Displacement(L)	2.545
Compression Ratio	17.5:01
Minimum fuel consumption (g/kW.h) 100% load	≤230
Aspiration	Supercharge
Governor Type	Electronic
Starter (V)	12V



Data Alternator

Alternator Model	KAL184E3
Brand	Kwise
Output Power(Kw)	24kw
Voltage Control	AVR
Number of Phase	3
Power Factor (Cos Phi)	0.8
Insulation Class	H
Protection	23
Altitude	≤ 1000 m
Number of Pole	4
Voltage Regulation	±0.5%
Total Harmonic Distortion	at no load < 4 % - on load < 4 %
Bearing	Single
Connection	Series Star
Coupling	Direct

Control System



Smartgen Panel Module HGM6120N

HGM6120N series genset controller is an intelligent, micro-processor-based control system designed for single-generator management, **making it especially suitable for automation systems composed of mains and gensets**. It seamlessly integrates digital monitoring, precision measurement, and "three remote" functionality (control, measurement, and communication) with built-in alarm protection and automatic mains/generator switching (AMF).

Featuring a multi-language LCD display, compact build, and simple connections, the controller delivers high reliability and effortless configuration directly from the front panel or via PC (USB/RS485).

Optional

Genset

- * Trailer
- * Dual frequency (50/60hz both)
- * Customised canopy design
- * Special required sound level
- * 50°C ambient temperature
- * Synchronization system

Exhaust System

- * Customised exhaust connection way

Alternator

- * PMG
- * Drop kits
- * Anti-condensation heater
- * Winding temperature measuring instrument
- * Single phase
- * Double bearing
- * Anti-damp and anti-corrosion treatment

Engine

- * Water jacket preheater
- * Lub oil heater
- * Electronic governor

Fuel System

- * Dual wall base fuel tank
- * Enlarge base fuel tank
- * External daily fuel tank
- * External Fuel Pump
- * Low fuel level alarm
- * Automatic fuel feeding system
- * Fuel three-valves

Controller

- * Remote control system
- * Synchronization controller
- * ATS

Diesel Power Generator



Power Range : 20KVA-2500KVA

DV-Omni Cummins Series DV66C Technical Data

60KVA/48KW



Features

- ♦ Cummins engine 4BTA3.9G2
- ♦ Kwise alternator KAL224E2
- ♦ Deepsea controller DSE6120
- ♦ MCCB Breaker
- ♦ Base fuel tank
- ♦ Emergency stop button, alarm, panel light
- ♦ 12/24V maintenance free battery, battery wires
- ♦ Float battery charger
- ♦ Battery isolator switch
- ♦ Powder coated canopy
- ♦ Radiator with engine driven fan mounted
- ♦ Anti-vibration mountings
- ♦ Silencers with flexible connects and elbow
- ♦ Test report, drawing, operation and maintenance manual

Genset Main Data

Genset Model	DV66C	
Prime Power	48KW / 60KVA	
Standby Power	53KW / 66KVA	
Frequency/Speed	50Hz/1500rpm	
Standard Voltage	380/220V	
Power Factor	0.8	
Phases	Three phases, four wires	
Fuel Cons. (L/H)	110% prime power	14.1
	100% prime power	12.9
	75% prime power	10
	50% prime power	7
Dimensions(L×W×H)mm	Open	Silent
	1850*820*1500	2300*960*1350
Weight (kg)	1010	1490
Base fuel tank (Hour)	250	130

Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation. In accordance with ISO 3046-1.

Standby Power Rating is applicable for supplying emergency power in variable load applications for up to 200 hours per year in accordance with ISO8528-1. Overload is not allowed.

Engine Data

Engine Model	4BTA3.9G2
Brand	Cummins
Engine Speed	1500rpm
Gross Prime Power(Kw)	50KW
Bore and Stroke	102*120
Cy/No. and Arrangement	Water-cooled, 4-stroke,4-Cyl in-line
Displacement(L)	3.9
Compression Ratio	17.3:01
Lub oil Capacity (L)	10.9
Coolant Capacity (L) (engine only)	8.3
Aspiration	Turbocharged and aftercooler
Minimum fuel consumption (g/kW.h) 100% load	213
Governor Type	Electrical
Starter (V)	24V



Data Alternator

Alternator Model	KAL224E2
Brand	Kwise
Output Power(Kw)	63kw
Voltage Control	AVR
Number of Phase	3
Power Factor (Cos Phi)	0.8
Insulation Class	H
Protection	23
Altitude	≤ 1000 m
Number of Pole	4
Voltage Regulation	±0.5%
Total Harmonic Distortion	at no load < 4 % - on load < 4 %
Bearing	Single
Connection	Series Star
Coupling	Direct

Control System



Deepsea Panel Module DSE6120

DSE6120 AUTO START & AUTO MAINS FAILURE CONTROL MODULES

DSE6120 is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of single gen-set applications. Monitoring speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen and illuminated LED.

DSE6120 modules offer electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engine versions and offer a number of flexible inputs, outputs and engine protections so the system can be easily adapted to suit a wide range of application demands. It can be easily configured using the DSE Configuration Suite PC software. Selected front panel editing is also available

Optional

Genset

- * Trailer
- * Dual frequency (50/60hz both)
- * Customised canopy design
- * Special required sound level
- * 50°C ambient temperature
- * Synchronization system

Exhaust System

- * Customised exhaust connection way

Alternator

- * PMG
- * Drop kits
- * Anti-condensation heater
- * Winding temperature measuring instrument
- * Single phase
- * Double bearing
- * Anti-damp and anti-corrosion treatment

Engine

- * Water jacket preheater
- * Lub oil heater
- * Electronic governor

Fuel System

- * Dual wall base fuel tank
- * Enlarge base fuel tank
- * External daily fuel tank
- * External Fuel Pump
- * Low fuel level alarm
- * Automatic fuel feeding system
- * Fuel three-valves

Controller

- * Remote control system
- * Synchronization controller
- * ATS

Diesel Power Generator



Power Range : 20KVA-2500KVA

DV-Omni Cummins Series

DV110C Technical Data

100KVA/80KW



Features

- ♦ Cummins engine 6BT5.9G2
- ♦ Stamford alternator UCI274C
- ♦ Deepsea controller DSE6120
- ♦ MCCB Breaker
- ♦ Base fuel tank
- ♦ Emergency stop button, alarm, panel light
- ♦ 12/24V maintenance free battery, battery wires
- ♦ Float battery charger
- ♦ Battery isolator switch
- ♦ Powder coated canopy
- ♦ Radiator with engine driven fan mounted
- ♦ Anti-vibration mountings
- ♦ Silencers with flexible connects and elbow
- ♦ Test report, drawing, operation and maintenance manual

Genset Main Data

Genset Model	DV110C	
Prime Power	80KW / 100KVA	
Standby Power	88KW / 100KVA	
Frequency/Speed	50Hz/1500rpm	
Standard Voltage	380/220V	
Power Factor	0.8	
Phases	Three phases, four wires	
Fuel Cons. (L/H)	110% prime power	26.9
	100% prime power	24.2
	75% prime power	18.2
	50% prime power	12.5
Dimensions(L×W×H)mm	Open	Silent
	2200*820*1550	2950*1100*1350
Weight (kg)	1220	1800
Base fuel tank (Hour)	300	240

Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation. In accordance with ISO 3046-1.

Standby Power Rating is applicable for supplying emergency power in variable load applications for up to 200 hours per year in accordance with ISO8528-1. Overload is not allowed.

Engine Data

Engine Model	6BT5.9G2
Brand	Cummins
Engine Speed	1500rpm
Gross Prime Power(Kw)	86KW
Bore and Stroke	102*120
Cy/No. and Arrangement	Water-cooled, 4-stroke,6-Cyl in-line
Displacement(L)	5.9
Compression Ratio	17.3:01
Lub oil Capacity (L)	16.4
Coolant Capacity (L) (engine only)	7.9
Aspiration	Turbocharged
Minimum fuel consumption (g/kW.h) 100% load	208
Governor Type	Electrical
Starter (V)	24V



Data Alternator

Alternator Model	UCI274C
Brand	STAMFORD
Output Power(Kw)	100KVA
Voltage Control	AVR
Number of Phase	3
Power Factor (Cos Phi)	0.8
Insulation Class	H
Protection	23
Altitude	≤ 1000 m
Number of Pole	4
Voltage Regulation	±0.5%
Total Harmonic Distortion	at no load < 4 % - on load < 4 %
Bearing	Single
Connection	Series Star
Coupling	Direct

Control System



Deepsea Panel Module DSE6120

DSE6120 AUTO START & AUTO MAINS FAILURE CONTROL MODULES

DSE6120 is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of single gen-set applications. Monitoring speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen and illuminated LED.

DSE6120 modules offer electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engine versions and offer a number of flexible inputs, outputs and engine protections so the system can be easily adapted to suit a wide range of application demands. It can be easily configured using the DSE Configuration Suite PC software. Selected front panel editing is also available

Optional

Genset

- * Trailer
- * Dual frequency (50/60hz both)
- * Customised canopy design
- * Special required sound level
- * 50°C ambient temperature
- * Synchronization system

Exhaust System

- * Customised exhaust connection way

Alternator

- * PMG
- * Drop kits
- * Anti-condensation heater
- * Winding temperature measuring instrument
- * Single phase
- * Double bearing
- * Anti-damp and anti-corrosion treatment

Engine

- * Water jacket preheater
- * Lub oil heater
- * Electronic governor

Fuel System

- * Dual wall base fuel tank
- * Enlarge base fuel tank
- * External daily fuel tank
- * External Fuel Pump
- * Low fuel level alarm
- * Automatic fuel feeding system
- * Fuel three-valves

Controller

- * Remote control system
- * Synchronization controller
- * ATS



Optional

Genset

- * Trailer
- * Dual frequency (50/60hz both)
- * Customised canopy design
- * Special required sound level
- * 50°C ambient temperature
- * Synchronization system

Exhaust System

- * Customised exhaust connection way

Fuel System

- * Dual wall base fuel tank
- * Enlarge base fuel tank
- * External daily fuel tank
- * External Fuel Pump
- * Low fuel level alarm
- * Automatic fuel feeding system
- * Fuel three-valves

Controller

- * Remote control system
- * Synchronization controller
- * ATS

Alternator

- * PMG
- * Drop kits
- * Anti-condensation heater
- * Winding temperature measuring instrument
- * Single phase
- * Double bearing
- * Anti-damp and anti-corrosion treatment

Engine

- * Water jacket preheater
- * Lub oil heater
- * Electronic governor



Jl. Sidodadi Timur No 22A Semarang - 50125

Phone : (024) 8451435
 Fax : (024) 8451434
 Hotline : +62 812-2507-3616 ; +62877-1966-2279
 Email : marketing@omnielectrindo.com
 Web : www.omnielectrindo.com

dv-electric.id