

TECHNICAL SPECIFICATIONS

STANDBY POWER

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source,.Overload is not allowed.

PRIME POWER

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%.The generator can be overloaded 10% for 1 hour per 12 hrs.

CONTINUOUS POWER

Continuous power rating is used in applications where supplying power is at a constant 100% load for an unlimited number of hours each year. Continuous power rated units are most widely used in applications where the power grid is unreachable.



ENGINE

- BAUDOUIIN heavy duty diesel engine
- 4-cycle, water cooled, turbocharged
- Direct injection
- 24 Volt starter motor and charge alternator with battery, rack and cables
- Replaceable air, fuel and oil filter
- Industrial type radiator
- Flexible fuel piping
- Oil sump drain valve and extension pipe
- Industrial/Residential type exhaust silencer.
- Maintenance free battery
- Jacket Water Heater

ALTERNATOR

- Brushless, single bearing,4-pole alternator coupled with flexible disc coupling
- H type insulation class
- IP 21-23 protection
- Self exciting
- Electronic AVR

CONTROL PANEL

- DSE 7 Series mains sensing or remote start control module
- Emergency stop push button
- Output circuit breaker
- Static battery charger
- Ready for remote monitoring

CANOPY

- Modular type sound-proof canopy
- Built from galvanized steel and epoxy, polyester powder painted
- Lockable doors on both sides of canopy designed for easy access to essential replacement parts
- Emergency stop push button
- Control Panel viewing window
- Bunded base fuel tank (Optional)
- Forklift Pockets



EA Power Systems reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice

EA Power Systems Ltd.

207 Dominion Rd. LE36QA Leicester United Kingdom

www.eapowers.com +44(0)1163180570

Registered in England & Wales No:11023250

MODEL		EABD500	EABD550	EABD660	
OUTPUT	Standby	kVA	500	550	660
		kW	400	440	528
	Prime	kVA	455	500	600
		kW	364	400	480
ENGINE	Engine	BAUDOUIIN			
	Model	6M26G500/5e2	6M26G550/5e2	6M33G660/5e2	
	Configuration	INLINE			
	No. of Cylinders	6			
	Speed	rpm	1500	1500	1500
	Displacement	l	15,90	15,90	19,6
	Bore x Stroke	mm	150 x 150	150 x 150	150 x 185
	Compression Ratio		15,7:1	15,7:1	15:1
	Aspiration		Turbocharged		
	Governor Type		Electronic		
	Cooling		Water		
	Coolant Capacity	l	142	142	60,5
		l	50	50	41,63
	Fuel Consumption l/h	100%Load	94,9	104,9	126
75% Load		71,2	78,4	96	
50%Load		19,9	53,6	59,9	
ALTERNATOR	Phase	3			
	Pole	4			
	No. of Leads	12			
	Excitation System	AVR			
	Insulation Class	H			
	IP Protection	IP23			
	Power Factor	0,8			
	Frequency	Hz	50	50	50
	Voltage	V	400	400	400
SIZE	Canopy Set Dimensions (LxWxH) & Weight	mm	4250 x 1700 x 2660	4250 x 1700 x 2670	4400 x 1800 x 2500
		kg	3810	3810	4635
	Open Set Dimensions (LxWxH) & Weight	mm	4100 x 1700 x 2660	4100 x 1700 x 2670	4000 x 1800 x 3040
		kg	3250	3250	4060
	Fuel Tank Capacity	l	1000	1000	1250

EA Power Systems reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice

EA Power Systems Ltd.

207 Dominion Rd. LE36QA Leicester United Kingdom

www.eapowers.com +44(0)1163180570

Registered in England & Wales No:11023250

CONTROL MODULE

Standard Specifications

- State of the art, microprocessor controlled
- 4line, 64 x 132 pixel display LCD display
- Automatic mains failure sensing
- Front panel manual programming
- User friendly setup and button layout
- Remote start
- Event logging, showing date and time
- Stop/Reset, Manual, Auto, Test, Start, buttons, toggle display button

Displays

- Engine Speed (rpm)
- Oil pressure
- Coolant temperature
- Running Hours
- Battery voltage monitoring
- Generator Voltage (LL, LN)
- Generator Current (L1-L2-L3)
- Generator Frequency (Hz)
- Generator Load & Power Monitoring (kW, kVA, kVAr, pf)
- Mains Voltage (LL, LN)
- Mains Frequency
- Generator Set Ready
- Mains Ready



Alarms

- High coolant temperature
- Low oil pressure
- Charge failure
- Battery Low/High voltage
- Fail to start
- Fail to stop
- High/Low Generator voltage
- Generator Over/Under frequency
- Generator Over/Under Speed

Shut Downs

- Fail to start
- Emergency stop
- Low oil pressure
- High coolant temperature
- Generator Over/Under frequency
- Generator Over/Under Speed
- High/Low Generator voltage
- Oil pressure sensor open

EA Power Systems reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice

EA Power Systems Ltd.

207 Dominion Rd. LE36QA Leicester United Kingdom

www.eapowers.com +44(0)1163180570

Registered in England & Wales No:11023250