

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

- PERKINS heavy duty diesel engine
- 4-cycle, water cooled, naturally aspirated
- 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
- 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		EAP1880	EAP2028	EAP2250	
OUTPUT	Standby	kVA	1880	2028	2250
		kW	1504	1622	1800
	Prime	kVA	1710	1844	2000
		kW	1368	1476	1600
Engine		PERKINS	PERKINS	PERKINS	
Model		4012 - 46TAG3A	4016TAG1A	4016 - 61TRG2	
Configuration		12 - 60° V	16 - 60° V	16 - 60° V	
No. of Cylinders		12	16	16	
Speed		rpm	1500	1500	1500
Displacement		l	45,842	61,123	61,123
Bore x Stroke		mm	160 x 190	160 x 190	160 x 190
Compression Ratio			13,6:1	13,6:1	13,6:1
Aspiration		Turbocharged			
Governor Type		Electronic			
Cooling		Water			
Coolant Capacity		l	207	316	316
Lubrication Oil Capacity		l	177	237,2	237,2
Fuel Consumption l/h		100%Load	370	370,69	422
		75% Load	275	268,52	318
		50%Load	187	179,02	216
ALTERNATOR	Phase		3	3	3
	Pole		4	4	4
	No. of Leads		12	12	12
	Excitation System		AVR	AVR	AVR
	Insulation Class		H	H	H
	IP Protection		IP23	IP23	IP23
	Power Factor		0,8	0,8	0,8
	Frequency		Hz	50	50
Voltage		V	400	400	400
Canopy Set Dimensions (LxWxH) & Weight		mm	TBA	TBA	TBA
		kg	TBA	TBA	TBA
Open Set Dimensions (LxWxH) & Weight		mm	5200 x 2160 x 2830	5800 x 2360 x 3178	5800 x 2360 x 3178
		kg	10784	12350	12550
Fuel Tank Capacity		l	3000	3000	3500

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CONTROL MODULE

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- 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

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