



ZERO EMISSIONS GENERATORS

H-Power Generator: S Series



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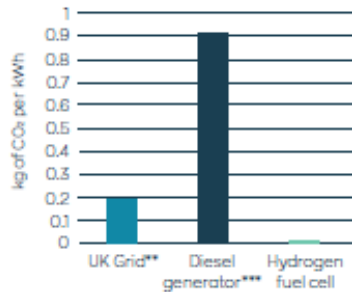
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in partnership with:  AFC Energy

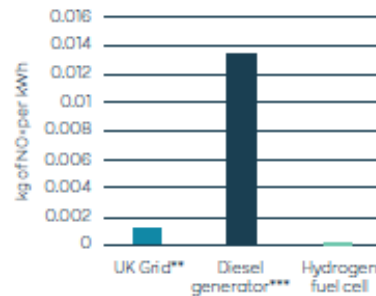
H-Power Generator: S Series

- Clean and quiet replacement for diesel generators
- On-site, emission free power generation
- Easy setup and simple to operate
- Perfect for grid constrained and off-grid applications

Climate changing CO² emissions
(scope 1 & 2)



Air polluting NO² emissions
(scope 1 & 2)



Key Benefits

- **Zero Emissions**
Completely eliminate CO₂ & other polluting emissions
- **Quiet Operation**
Low noise pollution compared to diesel generators
- **Enhanced Reputation**
Net zero power generation providing sustainability advantages to site operations
- **Portable and Skid Mounted**
Crane and forklift from the skid to put power where it's needed
- **Rugged and Reliable**
Rugged enclosure to handle a wide range of outdoor weather conditions
- **Flexible DC BESS Integration**
Direct DC integration with Battery Energy Storage Systems
- **Full Product Support**
Customer care packages including site design, setup, commissioning, operation, and maintenance on-call support



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Specification	Data
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H-Power Generator Performance

Generator Type	S Series
Generator Rating	PRP ISO rating
Power Output (a)	36 kW
Voltage Output	400 VAC
Operating Temperature (b)	-20C to 50C
Protection Rating	IP 54 (Targeted)
Power Outlets (c)	3Ph:1x125A,1Ph:3x63A,6x32A1Ph

Fuel Cell Power Generation System

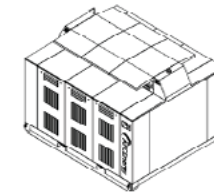
Power Outlet	30kw
Output Voltage	60-800 VDC
Fuel Cell Type	Air cooled
Fuel Type	Hydrogen
Fuel Quality	ISO14687:2019, Grade E, Category 3
Fuel Supply Pressure	15 bar
Hydrogen Consumption (d)	0.076kg/kWh

Battery Energy Storage System

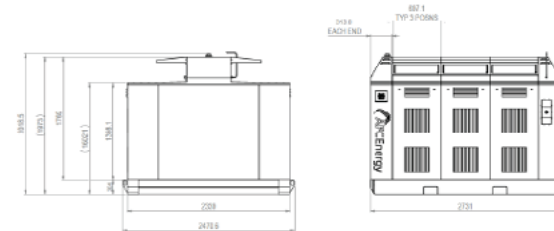
Type	Non-integrated, stand-alone
Usable Capacity (e)	≥45 kWh
Battery Life	LiFePO4
Maximum Power Output	44 kW

Emissions

Noise Emissions	<65 dB
Carbon Emissions	(CO, CO2) None
Noxious Emissions	(NOx, SOx,etc) None
Other Emissions	Heat, water (vapour and liquid)



Dry Weight:
3260kg



- (a) Based on fuel cell and battery combined output.
- (b) Below 0C an additional heating module add-on is required.
- (c) Power outlets are configurable and a representative layout is shown.
- (d) Consumption at beginning of life based on field data.
- (e) Larger usable capacity may be used based on PRP ISO rating requirements.