

GEH₂[®] Fuel Cell Generator.

Start your journey into the zero emission era with the GEH₂[®] Hydrogen power generator.

The EODev GEH₂[®] is a hydrogen fuel cell power generator designed to replace diesel or gas gen-sets in both mobile, prime and emergency standby applications.

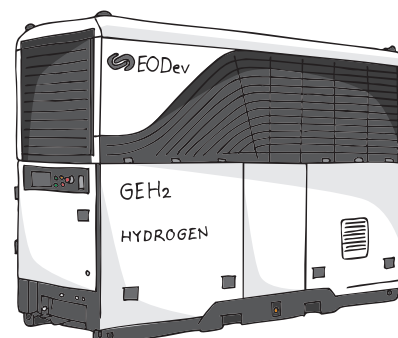
This cutting-edge generator is completely zero emission, only rejecting water and heat as by-products. No noise, no fumes, no CO₂ or fine particles.

Scalable, efficient and easy to use, the GEH₂[®] is equipped with the latest generation of hydrogen fuel cell from Toyota, giving it an exceptional reliability and a life span.



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SPECIFICATION

Performance & Control			
Manufacturer	EODev	Model	GEH ₂
Power output (ESP)	110 KVA / 88 kW	Power output (PRP)	100 KVA / 80 kW
Voltage output	400 VAC / 480 VAC	Frequency output	50 to 60 Hz
Power delivered per kg hydrogen	16.67 kWh (This can decrease at different operating temperatures and altitudes)	Most efficient performance level for fuel cell	Between 10 and 30 kW
Fuel cell continuous performance	<60 kW over 20 hours	Required fuel cell rest period	4 hours per day
Operating temperature	-10 °C to 45 °C (without de-rating)	Protection index	IP43
Dimensions	3300 x 1100 x 2252 mm	Weight	3,400 kg
Connectivity	Remote monitoring via 4G	Controller	DEIF
UPS capable	No	Hydrogen supply minimum flow rate	TBC
Hydrogen purity required	TBC	Noise output level	TBC

Component Specification			
Fuel cell brand / type	Toyota	Fuel cell required rest period per 24 hours	4 hours
Fuel cell type	PEM	Fuel cell efficiency	50%
Battery type	LiFePO ₄	Battery capacity	44 kWh
Battery discharge rate	2C	Battery safe charge minimum	30%
Battery charge/discharge efficiency	TBC	Inverter efficiency	TBC
Fuel cell ramp rate	TBC	Fuel cell response time	TBC
Battery usable capacity	TBC	Battery permitted cycle depth	TBC

Costs			
Lease price	\$1,300 per week	Purchase price	\$ TBC
Maintenance checks every 500 hours	\$ TBC	Intermediate service every 6 months or 500 hours	\$ TBC
Annual services (or after 1000 hr)	\$ TBC	Delivery to/from site	\$ TBC

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