

The world leader in hydrogen fuel cell based power systems and hydrogen integration projects.



Hydrogen Transport Refueler



Mobile Power and EV Rapid Charging



Hydrogen Mobile Power Generator



Rapid EV Charger



Large Scale Primary and Backup Power



Hydrogen Storage

All prices quoted are in USD and are approximate based on current market values. Please contact us for more accurate values based on markets and technology developments.

How much and at what cost?

Some of the most popular questions we hear when considering a hydrogen fuel cell based power system include, 'How much hydrogen do I need?', 'Where do I get it?', and 'How much will it cost?'

To calculate the generalised answers to these questions, you first need to ask the following:

How much power do you need?

How long do you need to run for?

How much hydrogen do I need?

Power	30 min	1 hour	2 hours	6 hours	12 hours	24 hours
1.5 MW	50 kg	100 kg	200 kg	600 kg	1,200 kg	2,400 kg
1 MW	34 kg	67 kg	134 kg	400 kg	800 kg	1600 kg
500 kW	17 kg	34 kg	67 kg	200 kg	400 kg	800 kg
250 kW	9 kg	17 kg	34 kg	100 kg	200 kg	400 kg
100 kW	4 kg	7 kg	14 kg	40 kg	80 kg	160 kg



Hydrogen Delivered

You can buy green hydrogen from manufacturers and have it delivered when you need it. Contractual supply agreements can provide interruption free supply and act as a Virtual Pipeline (VP).

Quantity	Price Delivered	Price/kg
100 kg	\$1,000	\$10
500 kg	\$3,500	\$7
2,500 kg	\$12,500	\$6
5,000 kg	\$25,000	\$5

Delivery Vehicle Ownership

Hydrogen delivery vehicles can be hired or owned outright to reduce the lifetime cost of the fuel.

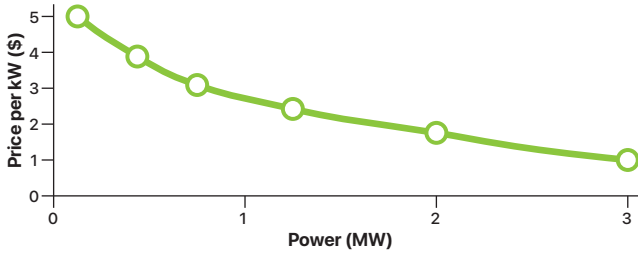
PRICE (FROM)

\$5 per kg

Fuel Cell Power System

Fuel cells fueled by green hydrogen offer large amounts of power with no carbon footprint. They can also be combined together to create a scalable power supply where large amounts of power are difficult to achieve with grid power sources.

Fuel cell power systems can be stationary (indoors or outdoors) or mounted in a range of configurations for portable use.



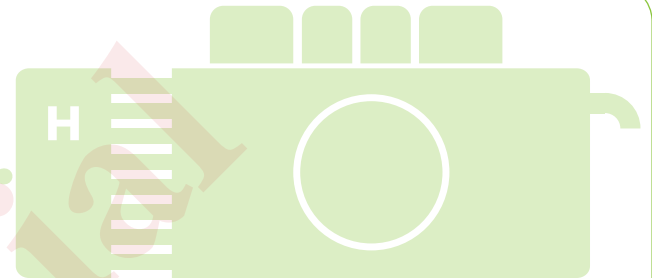
PRICE (FROM)

\$1 per Kilowatt



Rapid EV Charging

One of the popular uses for hydrogen power systems is for ultra-fast EV charging. This provides high power in hard to reach or power poor areas.



Hydrogen Production

With a power source from solar, wind, hydro, or geothermal, an electrolyzer system can be used to produce green hydrogen. These systems often include the capture, compression, and export of the gas ready for storage.

Power	Hydrogen Output*	Water Input*	Running Cost*
1.1 MW	450 kg	4,050 lt	\$4,2434
5 MW	2,125 kg	31,200 lt	\$20,184

PRICE (FROM)

\$9.50 per kg

* Based on 15c per kWh and 7c per litre of water over a 24 hour period.

Hydrogen Storage

Hydrogen powered systems require the best storage facilities for the compressed hydrogen gas. The higher the pressure the more kg of hydrogen that can be contained.

Capacity	Pressure	Cost
100 kg	700 BAR	\$200,000
500 kg	700 BAR	\$1,000,000
1000 kg	700 BAR	\$1,800,000

PRICE (FROM)

\$1,800 per kg



Hydrogen at the Pump

From a growing number of public fueling stations you can buy hydrogen gas. These normally supply the hydrogen at 700 BAR for refueling FCEV vehicles.

PRICE

\$9.50 per kg