

# Hydrogen Mobile Power Generator™ (MPG)

## Mobile Emergency Power and Rapid EV Charging – Powered by Green Hydrogen

Now you can get all the power you need, anywhere you want, and meet your environmental and sustainability commitments.

Replace your diesel generators with our Hydrogen Mobile Power Generator fueled by green, renewable Hydrogen.

These multi-purpose tow-ables are the 'Swiss army knives' of power systems that can be used for a wide range of applications.

Packed inside their small footprint is a power system that uses Hydrogen Fuel Cells (HFCs) to deliver clean, silent power, with no combustion.

**"Renewable power is not confined to roof solar panels and batteries. You can take it on the road too."**



### Cleaner

- **Fuel cell power 80 kW** - the key to this renewable power source is the Hydrogen Fuel Cell that turns Hydrogen into electricity, is almost silent when operating, and the only exhaust is pure water (no dangerous fumes or chemicals)
- **Hydrogen tank holds 67.2 kg** - a large 67.2 kg storage of Hydrogen is safely built into the MPG

trailer. The latest technology in gas pressure tanks provides efficient safe storage of this renewable fuel.

- **Green Hydrogen recommended** - The source of the Hydrogen fuel is important and makes all the difference in making this a carbon-free power supply

### Faster

- **Rapid EV charger rated 180 kW** - the MPG can include a rapid EV charge station on the back with a single or double power outlet enabling you to recharge EVs at super quick speeds (less than 20 min)
- **Lithium-ion battery rated 180 kWh** - the integrated 180 kWh battery provides

a powerful and crucial energy reserve that is integral to the high charge capacity

- **DC to AC conversion** - at about 400 VDC this is then converted to the required voltage with the on-board inverters and power converters

### Versatile

The MPG can be used in a wide variety everyday situations and locations as well as being stored and maintained for emergency use, for example:

- **Construction** - when you need remote power on a construction site, you can still do this with green Hydrogen energy
- **Emergency services** - critical power needs for emergency services are made carbon-free with minimum noise
- **Public events** - large power needs are achievable with parallel expandability. EV charging and food services can be clean and quite
- **Security and safety** - emergencies never happen at convenient times, so having a reliable Hydrogen powered supply is crucial
- **Customer service** - includes built-in timing and payment system that allows the owner to generate revenue

### Specification

Fuel cell rating	80 kW
Hydrogen gas quality	99.999%
Inverters rating	180 kW
Battery	180 kWh (lithium-ion)
Hydrogen tanks	40 kg at 700 bar
Hydrogen consumption	12 - 20 kWh per 1 kg
Rapid DC EV chargers	2 (optional)
AC output (Utility or EV chargers)	120/208 (BOP) 480 Delta 400 -415 Delta
Weight	~6,000 kg (13,600 lbs)
Tongue weight	706 kg (1557 lbs)
Dimensions (L x W x H)	8 x 2.6 x 2.9 (m) (26'3" x 8'6" x 9'6")

