

# ElectraGen™ H2-I System

## Extended Run Backup Power Fuel Cell System for Telecom



**ElectraGen™ H2-I System:** Highly reliable, ultra-quiet, zero emissions

Fuel: Hydrogen

Power: 2.5 kW or 5 kW

Voltage: 48 Vdc

### Applications

ElectraGen™ fuel cell systems are designed for telecom backup power and other critical applications.

- Wireless Base Stations
- Secure Communications Networks (TETRA)
- Wireline Remote Terminals
- Broadband
- Telecom Rooftop Applications

IdaTech designs, develops and manufactures backup power fuel cell systems for telecommunications applications. IdaTech's products are clean, reliable, quiet and have been deployed worldwide for critical backup power applications.

ElectraGen™ H2-I Systems are modular and scalable backup power systems. Operating on hydrogen, ElectraGen™ H2-I Systems generate zero emissions while generating power for the long run.

### ElectraGen™ H2-I System Specifications

<b>Power Rating</b>	2.5 kW or 5 kW
<b>Nominal Voltage</b>	48 Vdc
<b>Voltage Adjustable</b>	44 to 57 Vdc
<b>Size (W x D x H)</b>	108 cm x 92 cm x 125 cm (43 x 36 x 44 in)
<b>Weight (Product)</b>	158 kg (349 lbs)
<b>Fuel Specification</b>	Hydrogen (99.97% dry)
<b>Ambient Temperature</b>	-5°C to +45°C (23°F to 113°F)
<b>Location</b>	Outdoor Rated
<b>Elevation</b>	0 to 2000 m (0 to 6562 ft) @ 35°C
<b>Communications</b>	Dry Relays and RS-232

Specifications may change without notice.

### Advantages

**Extended Run Options** – Hot swappable hydrogen.

**Advanced Technology** – Utilizes commercially proven Proton Exchange Membrane (PEM) technology.

**Compact and Lightweight** – Compact and lighter than comparable battery system.

**Reliable System** – Dependable performance over a wide range of temperatures: -5°C to +45°C.

**Scalable Systems** – 5 kW modules provide up to 15 kW power output.

**Low Maintenance** – Lower life cycle costs compared to higher maintenance diesel and propane generators.

**Clean Technology** – Zero emissions and significantly lower environmental impact than both generators and batteries.