



Trulite KH4™ Power System

The highly portable Trulite KH4 hydrogen fuel cell power system provides you with safe, quiet and environmentally friendly power for a wide range of reliable power solutions. Trulite is the only fuel cell company that offers both fuel cell and fuel source in one compact fully integrated system.

Clean, reliable power – anywhere.

Trulite Advantages

Lightweight and compact, the environmentally friendly KH4™ hydrogen fuel cell power system ensures a safe, portable, reliable and consistent flow of electrical power when needed. The Trulite KH4 power system offers distinct advantages over other portable power sources:

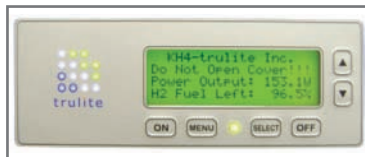
- The KH4 system can provide power solutions to commercial and industrial partners at significantly lower weight and volume than traditional batteries or generators.
- A “green” product, the KH4 power system’s only emissions are energy and heat, and water that is internally recycled.
- The system is designed to quickly achieve UL and CSA certification.
- The power system is safe for indoor use without the worry of dangerous exhaust emissions associated with gasoline or diesel generators.
- The KH4 uses HydroCell™ fuel cartridges containing dry sodium borohydride that are compact and easy to replace.
- HydroCell cartridges have a long shelf life compared to batteries and are transportable with common carriers under special shipping provisions.

How It Works

The KH4 power system uses a proton exchange membrane fuel cell that combines hydrogen gas generated by HydroCell fuel cartridges with oxygen from the air to produce electricity and heat. Water vapor is a byproduct of this electrochemical reaction, but is recycled within the unit. The KH4 can provide power outputs of 5 VDC, 12 VDC and 120 VAC.

KH4 Applications

- Security / Meteorological
- Marine / Boating
- Home / Small business
- Outdoor enthusiast
- Remote monitoring and sensing
- Battery charging for tools, radios, phones, etc.
- Off-grid power generation
- Industrial / Construction / Farm and Ranch
- Disaster preparedness
- Emergency / Disaster First Responder



KH4 Features

- Microprocessor allows system monitoring, status display and load following
- Fully automated start and stop
- Instantaneous start-up
- Rugged/vibration resistant
- Scalable to higher power levels
- Self-sealing fuel connectors for easy fuel cartridge changes
- Dual 400 watt-hour cartridges for long run times (longer run times available with daisy-chained fuel supply)



KH4™ System Specifications

| | |
|-----------------------------|--------------------------------|
| Continuous power | 150 W |
| Peak power | 250 W (5 min.) |
| Output voltage range | 5, 11-14 VDC 120 VAC |
| Weight | 23 lbs. |
| Size | 8.5" w x 13.7" h x 16.2" l |
| Operating temperature range | 34 - 104 deg F 1 - 40 deg C |
| Operating humidity range | 10-100% RH |
| Noise maximum | <60 dB @ 3 ft. |
| Vibration/Shock | Minimal |
| Thermal signature | Lower than a cup of coffee |
| Start time | Instantaneous |
| Orientation | Upright |

HydroCell™ Cartridge Specifications

| | |
|----------|---|
| Run time | ~5 hours @ 150 watts (Dual Cartridges) |
| Weight | 1.5 lb. (each) |
| Size | 3" dia. x 10.2" l |

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Note: Not UL Listed. May contain hazardous substances.
Specifications listed above are subject to change.