



**IE-POWER**



**Powering the hydrogen future™ with our outstanding fuel cells and service.**

## **IE-POWER 4T**

**IE-POWER fuel cell systems for power generation, telecoms, micro-grids and critical infrastructure.**

Intelligent Energy's IE-POWER 4T is our 4kW fuel cell module designed for use in telecoms, micro-grids, power generation and critical infrastructure.

IE-POWER 4T fuel cell modules are designed to work with a range of batteries, delivering a charge voltage up to 56VDC. They can be configured to deliver power when the battery voltage falls to a pre-set level and switch off once the charge current drops.

Energy is delivered via an electrochemical reaction between hydrogen ( $H_2$ ) and oxygen (O) resulting in quiet operation with the only emission being water vapour ( $H_2O$ ). This means no  $CO_2$ ,  $NO_x$  or  $SO_x$ .

The product is designed to fit into a 19" data rack and deliver up to 4kW of power at 48VDC using 99.9% gaseous hydrogen from cylinders, electrolyzers and reformers.

### **IE-POWER 4T fuel cell module benefits include:**

- High power density, small and compact for MHE trucks
- Lightweight for ease of handling and maintenance
- Configurable to meet the needs of your installation
- Zero Emissions – no Greenhouse Gases,  $CO_2$ ,  $NO_x$ , and  $SO_x$
- Low maintenance with no servicing
- Quiet operation
- Simple integration



# IE-POWER

## Summary Product Information:

<b>Performance</b>	Rated net power	4.0kW@48V or 2.88kW@24V
	Output voltage	20V – 56V via factory configuration parameters
<b>Fuel</b>	Fuel type	Hydrogen gas
<b>Safety &amp; certification</b>	Certification	CE & FCC
<b>Physical</b>	Mass	~20kg
	Max dimensions (mm)	450 (W) × 300 (7U) (H) × 550 (D)
	Operating temperature range	+5°C to +40°C
	Operating humidity range	10% to 90%

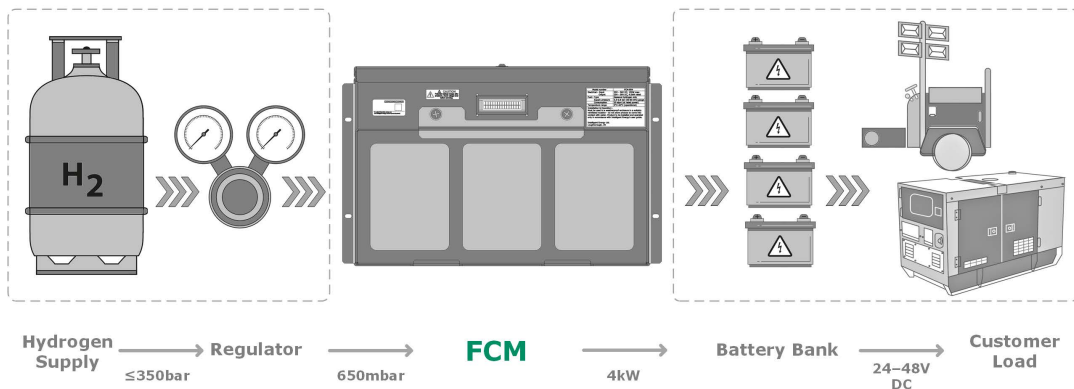
\*For full product specification please refer to product datasheet

## Product Integration:

### Customer Installation

### Fuel Cell Module

### Customer Installation



Get in touch today to find out how your applications can benefit from our zero-emission fuel cells

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