



- Capability to deliver 7kW peak, 1kW continuous power
- Complete battery replacement unit for material handling equipment
- Plug and play solution: no modifications required to original equipment

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

IE-LIFT 1

IE-LIFT fuel cell systems for material handling equipment.

Our IE-LIFT fuel cell battery box replacement meets the needs of 24V material handling equipment (MHE). Using our IE-POWER 1, the IE-LIFT 1 includes hydrogen storage, battery and controller in a 210mm wide package.

IE-LIFT 1 delivers 1kW of continuous power meeting peak loads of up to 7kW through our fuel cell battery hybrid solution. The fuel cell module will recharge the battery on the go, meaning there is no need to plug into a charging point.

The on board hydrogen tank delivers enough energy for a typical shift and can be refuelled in less than 3 minutes, reducing downtime and increasing productivity compared to batteries.

Our systems are designed for ease of integration without modification to the forklift, just disconnect the existing battery, slide it out and replace with the IE-LIFT 1.

IE-LIFT 1 delivers a zero-emission, practical alternative to traditional battery solutions.



Technical data	Nominal Voltage	24V
	Rated Current	160A
	Rated Net Power	3.84kW (7kW peak)
	Total Energy Content (Wh)	6,830
	Operating Temperature	5°C - 35°C
	Relative Humidity	10% - 90%
	IP Rating	IP20
	Weight	264kg
	Dimensions (mm)	210(W) x 622(H) x 790(L)
Fuel	Fuel Type	Hydrogen gas
	Fuel Capacity	264g
	Fuel Storage Pressure	nom. 350bar
	Fuelling Receptacle	WEH TN1 - SAE J2600
	Refuelling Time	<3min
	Fuel composition	99.9% gaseous hydrogen or better
Other	Status Display	Front panel screen
	User Interface	CAN
	Electrical Connection	REMA Standard plug
	Emissions	Water Vapour



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

www.intelligent-energy.com/our-products · +44 (0)1509 271271 · sales@intelligent-energy.com