

IE-L5 804 specifications

Performance	Rated net power ¹	4.0kW @ 48V or 2.88kW @ 24V
	Output voltage regulation	707WJBGBDUPSZDPOGJHVSBUJPOQBSBNFUFST
	Rated current	83A @ 48V or 120A @ 24V
	Emissions	Water vapour
Fuel	Fuel type	Hydrogen gas
	Fuel pressure	500 - 800mbar
	Fuel consumption	Less than 70g per kWh
	Fuel storage	External storage available separately. Compatible with reformer technology or compressed hydrogen gas
	Fuel composition	99.9% gaseous hydrogen or better ²
Operations and maintenance	User interface	Options available ^{3,7}
	Start-up time	Less than 10s
	Automatic start/stop	Standard
	Manual start/stop	Available
	IP rating	IP20
Safety and health monitoring	Certification	CE FCC
	Health monitoring	Options available ^{4,7}
Physical	Net weight	~20kg
	Max dimensions	450mm (W) x 300mm (H) x 550mm (D)
	Connections, gas	G1/8 parallel BSP threaded port with face seal, female
	Connections, electrical	Power terminals 2 x M10, 4 x PFCs, 1 x CAN hi/low/gnd, 1 x 30mA lamp driver, 1 x FCM run input, 1 x FCM enable input
Normal operating conditions	Altitude	0 - 4000m ^{5,7}
	Operating ambient temperature range	+5°C to +40°C ⁷
	Relative humidity	10 to 90% ^{6,7}
	Storage temperature	-40°C to 70°C

¹ >95% duty cycle

² According to quality characteristics of Type 1, Grade E and Category 3 hydrogen fuel specified in BS ISO 14687-3:2014(E)

³ CAN interface can be provided

⁴ Options available for continuous health monitoring and predictive maintenance scheduling for high system availability

⁵ Rated power to 1500m. Power de-rate commences above 1500m

⁶ Rated power from 30%. Power de-rate commences below 30%

⁷ Please contact us to discuss your requirements

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