

EH Energy System

250 kW Fuel Cell Module



Electrical Specifications

System Power [kW]	250*
System peak efficiency [%]	57
Current Range after DC/DC [A]	(0 - 400)
Voltage after DC/DC [V]	750 - 900

* Power at BoL (beginning of life)

Mechanical Specifications

Dimensions [mm] [WxLxH]	1155 x 785 x 1700
Ingress Protection	IP44
Weight [kg]	1100

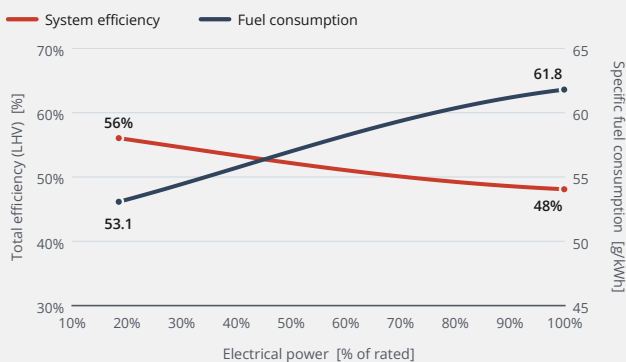
Cooling Line

Coolant	DI Water and Glycol
T _{IN} [°C]	10 - 50
T _{OUT} [°C]	65 (max)

Efficiency Curve

System performance data

Beginning of life (BoL)



Environment

Ambient Temperature [°C]	0 - 45
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Anode Line

Connections	Swagelok Standard Fittings or Welded Pipes
Inlet pressure [barg]	16 - 18
Quality	ISO 14687:2019 grade D with H2 purity > 99.995%

Cathode Line

Requirements	Fresh Air Supply (no Chemical or Salt)
	Depleted Air Extraction
	Drainage for Condensed Water

Other Interfaces

Power Supply [V_DC]	24
Communication	Modbus or Profinet

System Boundaries

