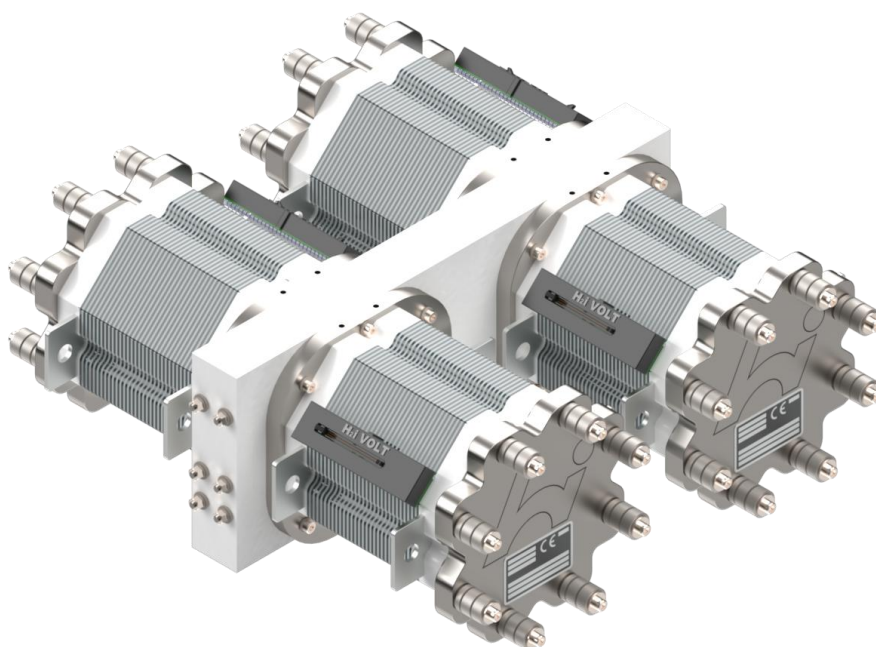


AEM ELECTROLYSIS UNIT

H2i-POWERPACK

Four H2i-AEM-Cores on one manifold block: 26 kg of green hydrogen per day and the heart of our H2iVE-SKID.



26 kg/d

hydrogen production

60 kW

maximum power

33 bar(g)

H₂ outlet pressure



Compact & high power density

Four H2i-AEM-Cores share one manifold block, so the unit stays small and easy to integrate.



Follows wind and solar

Load changes of up to 5 %/s track fluctuating renewable power or flexible industry demand.



Made in Europe

Built in Austria and designed for highly automated production to automotive standards.



Iridium-free

The H2i-AEM-Cores need no iridium, a scarce and costly raw material.

Technical data

PRODUCTION

H ₂ production, nominal	1.1 kg/h · 12 Nm ³ /h
O ₂ production	8.6 kg/h · 6 Nm ³ /h
H ₂ outlet pressure	up to 33 bar(g) ¹
O ₂ outlet pressure	up to 5 bar(g)

POWER

Maximum power	60 kW ²
Current range	80-240 A
Rated voltage	250 V
Specific energy consumption	48 kWh/kg ³

ELECTROCHEMISTRY

Technology	AEM water electrolysis (AEMWE)
AEM core	4 standardized H2i-AEM-Cores sharing one manifold
Operating temperature	Up to 70 °C

MEDIA AND HEAT

Pure water consumption	max. 9.7 kg/h
KOH flow	up to 2.9 m ³ /h
Heat to KOH circuit	7.7 kW BoL Up to 17.3 kW (design value)

INTEGRATION

Dimensions	575 x 750 x 250 mm
Weight	190 kg
Certification	Designed for CE conformity (PED 2014/68/EU) and ISO 22734

Included in the H2i-POWERPACK

- Four standardized H2i-AEM-Cores
- Manifold block with connections for KOH, H₂ and O₂
- Mounting brackets for the SKID module

Provided by the H2iVE-SKID

- KOH circuit, water supply and heat removal
- H₂ and O₂ handling and safety equipment
- Power electronics and control

¹ Outlet pressure; allows for pressure losses so the H2iVE-SKID still delivers 30 bar(g).

² Maximum electrical power at end of life; best efficiency and lifetime at part load.

³ At beginning of life, without balance of plant.

Preliminary data, subject to change.

BUILDING YOUR OWN ELECTROLYZER?

Talk to us about H2i-POWERPACK as the building block of your system.

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