



Hydrogen Generator for Energy Solutions



h-tec PEM Electrolyser Module EL30

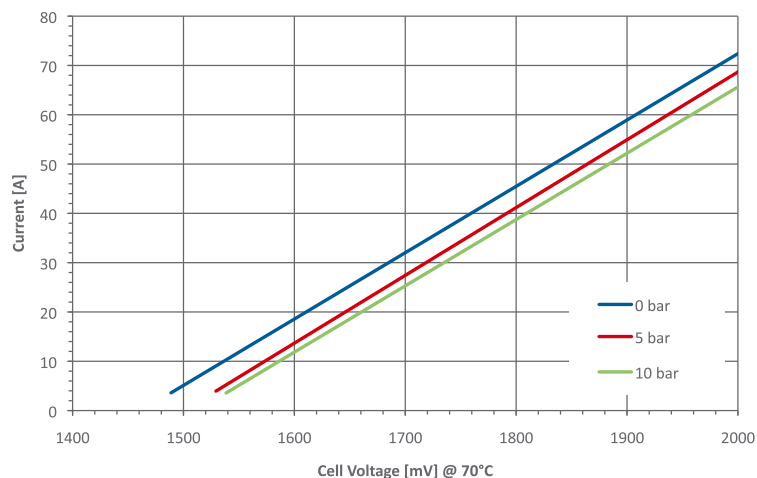
Electrolysers will become increasingly important as part of an energy storage solution in the context of renewable energy and hydrogen technology. h-tec presents the current development of its PEM electrolyser module.

The h-tec OEM module consists of an electrolyser stack, water supply and cooling, water recirculation, system management and monitoring software. The designs of the individual components and the stack itself are optimized for high-quality serial production. Depending on the needs of the OEM, h-tec can produce modules with outputs from 0.1 to 3.0 Nm³/h H₂.

- Designed for integration in 19" rack
- Suitable for back-up power and telecommunication markets
- Compact design
- Low weight
- Performance scalable between 0.1 and 3.0 Nm³/h H₂
- Easy installation, hookup and handling
- No need to calibrate sensors
- Provides operational data



Polarisation Curve EL30 at 1000 h



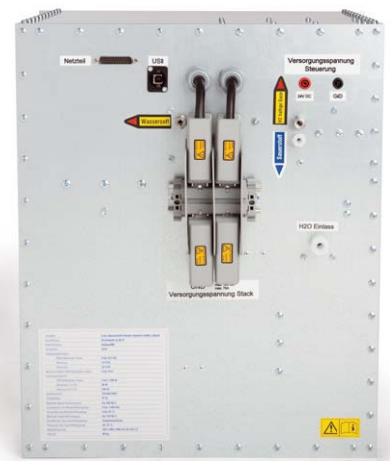
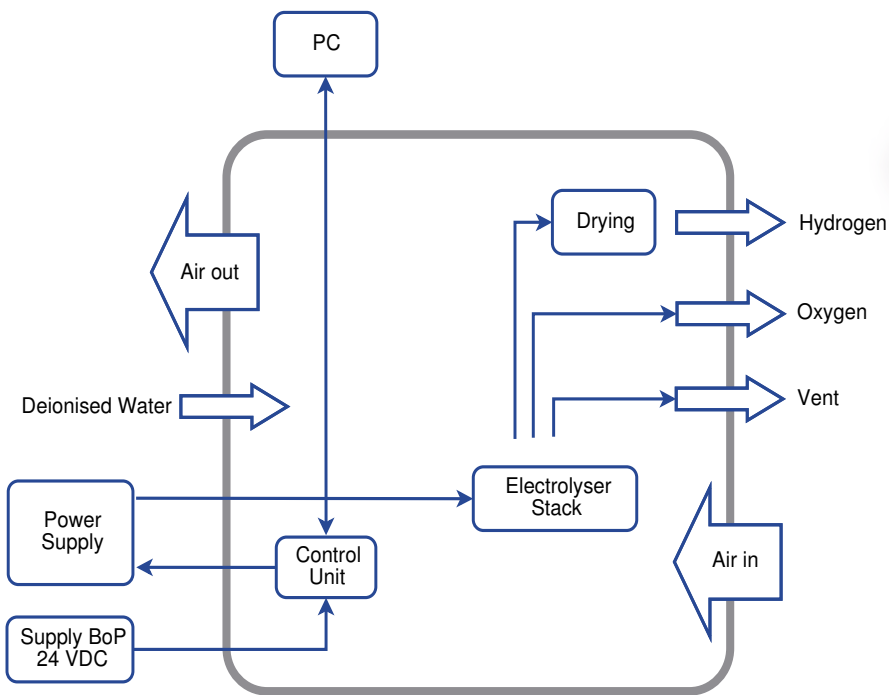
ELECTROLYSER EL30



Stack Specifications

	EL30/28	EL30/14
Number of cells	28	14
Nominal voltage	48 VDC	24 VDC
Voltage	0 - 56 VDC	0 - 28 VDC
Current	0 - 70 A	0 - 70 A
Rated power	max 3.9 kW	max 2.0 kW
H ₂ production @ 10 bar	max 0.8 Nm ³ /h	max 0.4 Nm ³ /h

(Other configurations on request)



EL30 Module Specifications

Height	540 mm
Width	480 mm
Depth	560 mm
Weight	60 kg



h-tec in brief

- Developer and producer of electrolyser and fuel cell technology
- Founded: 1997
- Team of 26 employees
- Based in Luebeck, Germany
- Two Business divisions

h-tec Industrial – PEM electrolysers (up to 3.0 Nm³/h H₂) and PEM fuel cells (up to 5 kW) for portable and stationary industrial applications.

h-tec Education – Since 1997, one of the world's leading suppliers of solar hydrogen technology for schools, universities, vocational training and demonstrational/PR activities.

h-tec

Wasserstoff-Energie-Systeme GmbH

Hydrogen Energy Systems

Lindenstrasse 48a

23558 Luebeck · Germany

Tel.: +49 (0) 451-49 89 5-0

Fax: +49 (0) 451-49 89 5-15

e-mail: info@h-tec.com

website: www.h-tec.com

