

GENFUEL[®]

THE MERRIMACK ELECTROLYZER STACK

Cost-effective mid-range green hydrogen production

The Merrimack electrolyzer stack uses PEM (proton exchange membrane) technology to offer unprecedented operating efficiencies at high current densities.

- Designed for energy storage, green hydrogen fueling stations, and industrial applications
- Offers best-in-class price performance from 10 Nm³/hr to 30 Nm³/hr (22.4 kg/d to 67 kg/d)
- Turn-down ratio of 10:1 and millisecond ramp times enable easy demand management
- High operating temperatures and differential pressures minimize balance of plant costs
- World class lifetimes with stable operating voltages



Your full-service hydrogen fueling system.



THE MERRIMACK PROVIDES MODULAR BUILDING BLOCKS OR TURNKEY SYSTEMS TO SUPPORT YOUR ENERGY STORAGE, HYDROGEN FUELING STATION, AND INDUSTRIAL NEEDS.

PRODUCT SPECIFICATIONS (STACK)				
SPECIFICATION	UNITS	ILLUSTRATIVE H2 FLOW RATES		
HYDROGEN FLOW RATE	NM³/H	10	20	30
OXYGEN FLOW RATE	NM³/H	5	10	15
OPERATING PRESSURE	BARG	1 to 40		
VOLTAGE*	V	54	109	163
CURRENT	A	90 to 900		
OPERATING TEMPERATURE	°C	5°C to 70°C		
DEIONIZED WATER FLOW	L/M	50	100	150
NUMBER OF CELLS	--	28	56	84
DIMENSIONS (Ø X H)	CM	43.6 X 35.2	43.6 X 50.2	43.6 X 64.6
EFFICIENCY	--	Up to 88.4%		
LIFE EXPECTANCY	--	Stack: 80,000 hours		
CERTIFICATIONS	--	CE / ASME / NFPA (inquire about additional requirements)		

Product specifications are subject to change without notice.

*BOL, 70°C

Corporate Headquarters
 968 Albany Shaker Road
 Latham, NY 12110
 518.738.0320



PLUGPOWER.COM
 electrolyzers@plugpower.com

032021