

# Ohmium<sup>®</sup> cutting-edge PEM electrolyzer



Compact and hyper modular design delivers industry-leading efficiency, availability, and low-cost installation

LOTUS MARK 3



# Ohmium® Lotus Mark 3

## Your comprehensive hydrogen solution

Ohmium's advanced PEM electrolyzers produce cost-competitive hydrogen with exceptional efficiency, reduced installation costs, and simplified maintenance, all within a compact footprint. Backed by real-world experience, our solution delivers reliable hydrogen production globally across diverse climates and temperatures.



### Leading Technology

Market-leading system efficiency  
at 48kWh<sub>AC</sub>/kg

Dynamic ramping from minimum  
to full load in 8 seconds

Advanced power electronics  
with grid ancillary services



### Compact Design For Large Global Installations

High power density in compact  
footprint 29.7m<sup>2</sup>/MW

Outdoor system; ambient  
operating temperature range  
-40°C to 55°C



### Secure, Stable, And Scalable Supply Chain

Industry-leading iridium efficiency  
(GW/ton usage)

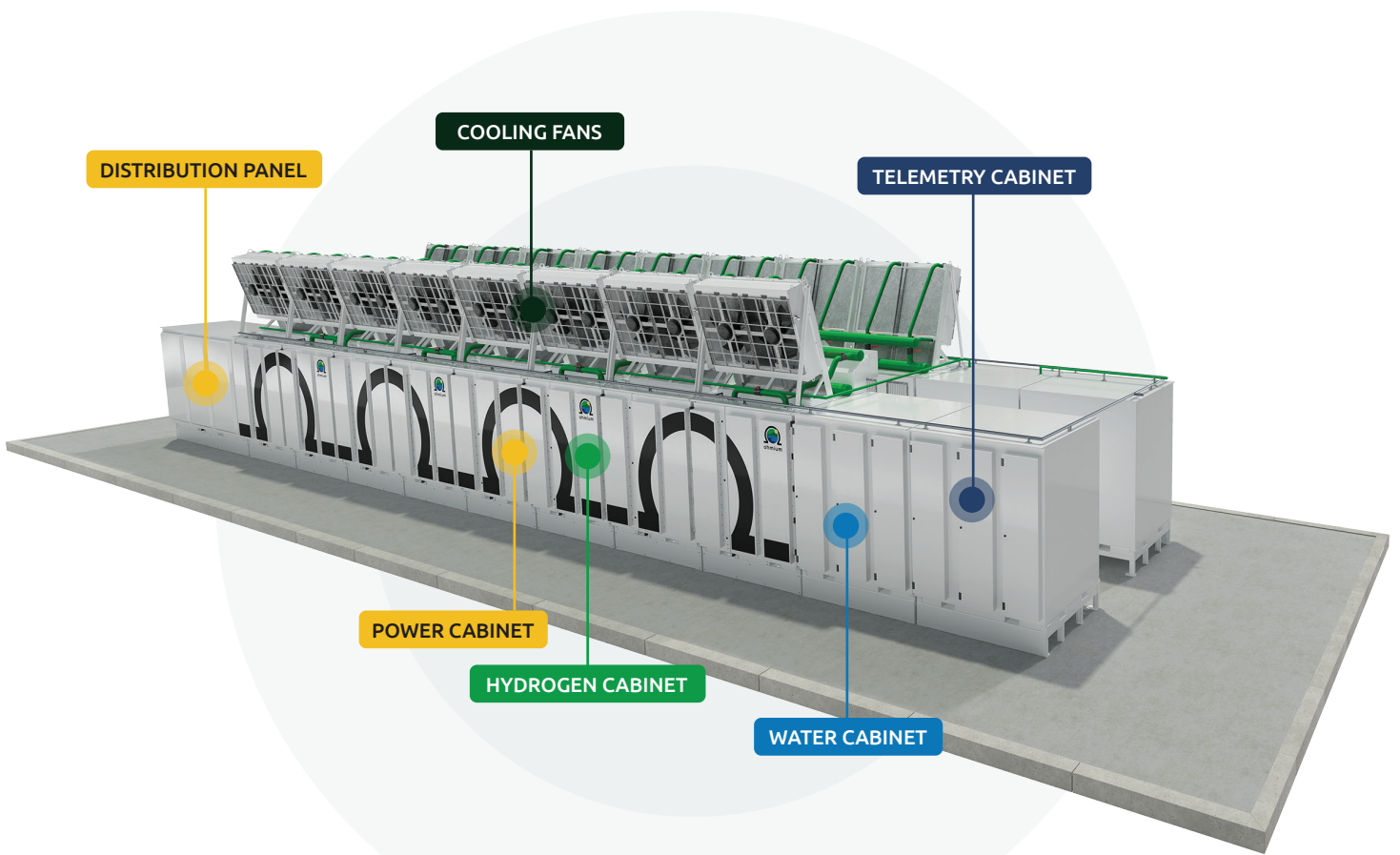
Scalable manufacturing  
capacity up to 2GW



### Improved Project Economics

Low-cost installation with  
rapid scalability

Shortened project timeline  
with fast commissioning



	E Series	High Density	P Series
Power capacity (MW)	4.2	4.725	4.2
Hydrogen flowrate (TPD)	2.016	2.268	2.016
Hydrogen output pressure (barg)	14	14	30
Purity	99.99% (opt. 99.999%)	99.99% (opt. 99.999%)	99.999% (opt. 99.9999%)
System efficiency (kWh <sub>AC</sub> /kg)*	48	49.5	51.5
Electrical input	3 phase with 480 V <sub>AC</sub> /60Hz, 415 V <sub>AC</sub> /50Hz or 400V <sub>AC</sub> /50Hz		
Operating range	10–100%		
System dimensions**	21.5m x 5.8m x 4m / 70'5" x 19'1" x 13'1"		
Installation location	Outdoor		
Ambient temperature range	Outdoor rated for -25°C to 55°C (-13°F to 131°F); Opt. -40°C (-40°F)		
Compliance standards	Designed to CSA/ANSI B22734, ISO 22734-1, CE. Installed per NFPA 2		

\* System efficiency is inclusive of all energy consumed including power electronics, stack, hydrogen dryer, water purification, cooling and telecom systems to go from AC power and city water to pressurized, pure hydrogen for ambient temperatures between 10°C and 30°C.

\*\* The island size has been estimated for large-scale projects including maintenance access areas. Smaller installations may require additional access area.

**Note:** The specifications and system design provided above are based on the current product configuration and may be updated as part of continuous improvement.

# Any power, any water, anywhere.

Our design maximizes energy density and simplifies serviceability. Additionally, we pair this advanced solution with a long-term RM&M (remote monitoring and maintenance) offering and an optional performance guarantee. This comprehensive approach offers sustained operational efficiency and scalability as your business grows, while consistently delivering an exceptional customer experience.



## Complete green hydrogen solution

Cutting-edge PEM electrolyzer solution from AC/DC power and city water to pressurized, pure hydrogen



## 24/7 assurance

Continuous global remote monitoring and maintenance via RM&M offering



## Commitment to performance

Optional performance guarantee



Hyper modular units



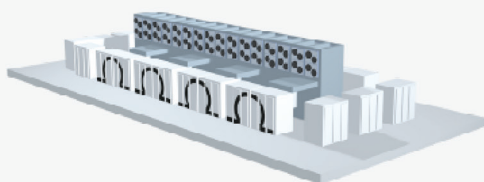
Interlocking design



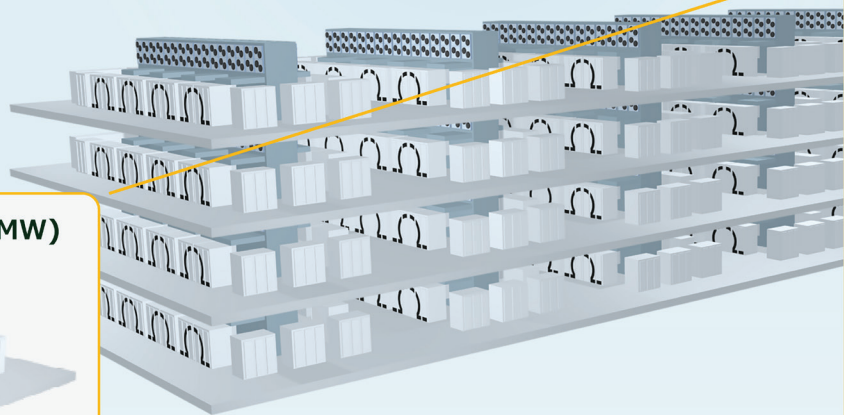
Adaptable BoP architecture

## Rapidly scalable from MW to GW

### STANDARDIZED ISLAND (MW)



### PLANT SCALE (GW)



**Global Headquarters**  
Newark, California – USA

**Center of Excellence for Manufacturing, and R&D**  
Bengaluru and Chennai – India

**Sales:**  
Chile, Germany, India, Spain, United Arab Emirates, USA