



Process Automation

Our product brands:
IMI VIVO

Proton Exchange Membrane (PEM) Electrolyser

2MW, 3MW, 4MW, 5MW modules



Breakthrough
engineering for
a better world

Contact us at
imivivo@imi-critical.com



IMI VIVO PEM Electrolyser is designed to have one or multiple stacks combined to reach the desired hydrogen output and working range.

	Properties	Unit	2MW Module	3MW Module	4MW Module	5MW Module
Inputs	Electrical Loads	Vac - Hz - MW	MV - 50 - 2.1	MV - 50 - 3.2	MV - 50 - 4.2	MW - 50 - 5.3
	Water supply	l/h	<600	<900	<1200	<1500
Outputs	H ₂ (max)	Nm ³ /h	400	600	800	1000
	O ₂ (max)	Nm ³ /h	200	300	400	500
Performance	H ₂ Purity	%	99.999% with H ₂ purificator (Impurities: H ₂ O < 5 ppm, O ₂ < 5 ppm) 99.95% without H ₂ purificator (Impurities: H ₂ O < 500 ppm, O ₂ < 20 ppm) (according ISO 14687:2019 table 2)			
	H ₂ pressure	bar (g)	40			
	O ₂ pressure	bar (g)	<2			
	Dynamic operation range	%	10 - 100			
	Rum up time	min	<5			
	Max power consumption	kWh/kg	57	57	56	56
Footprint	Container/Skid (w*d*h)	ft	8 x 40 x 8	8 x 40 x 8	8 x 40 x 8	8 x 40 x 8
			8 x 40 x 8	12 x 45 x 13	12 x 45 x 13	12 x 45 x 13
Control	Communication	-	24/7 data acquisition and remote monitoring			
	Interface possibilities	-	Modbus TCP/IP			

IMI VIVO PEM Electrolyser

is a fully customizable solution that produces hydrogen from renewable energy sources. The innovative system can be adapted to meet unique customer and regulatory requirements. Equipped with the highest standard components, from stack to BoP, it guarantees a modular design able to provide green hydrogen production at different amounts and quality.

Real-time wireless monitoring

The dashboard offers customisable, cloud based, real-time monitoring of the electrolyser's performance. System operators can monitor all key parameters, including hydrogen pressure and flow rate, stack and system efficiency, DC/AC power consumption, and cooling temperatures. The dashboard is available for PC's, Macs, tablets, and smartphones and can be used at any location with a WI-FI or mobile data internet connection.



IMI VIVO: Sustainable Energy Partner

IMI VIVO is a turnkey green hydrogen solutions provider, supporting the user from the earliest stages of the plant design. Our team can support you in defining the optimal size for renewable energy sources, electrolysers, fuelling stations, fuel cells, and storage.



Discover more



or contact at
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