IMI VIVO POWER TO LIFE

Proton Exchange Membrane (PEM) Electrolyser

1MW and 2MW modules

IMI Critical Engineering

Breakthrough Engineering

IMI VIVO POWER TO LIFE

The 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.

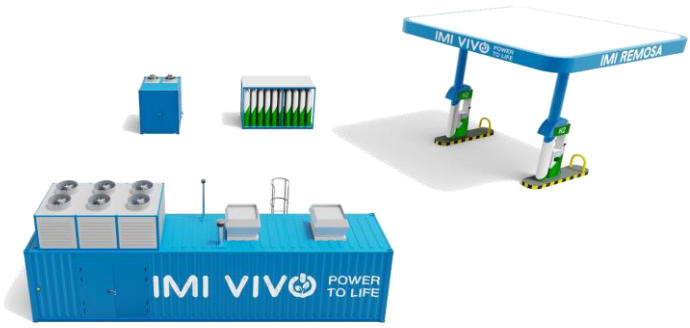
The IMI VIVO PEM Electrolyser is designed to have one or multiple stacks combined to reach the desired hydrogen output and working range. They have the following characteristics:

			1MW	*2MW*
Inputs	**Electrical Loads**	*Vac - Hz – MW*	*LV/MV[(a)] – 50 – 1.1*	*LV/MV[(a)] – 50 – 2.1*
	Water Supply	*l/h*	< 400	< 800
Outputs	**H_2 (max)**	*Nm^3/h*	200	400
	O_2 (max)	*Nm^3/h*	100	200
Size	**Container**	*ft*	20 and 40 feet[(b)]	20 and 40 feet[(b)]
Performances	**H_2 Purity**	*%*	99.999	99.999
	H_2 Pressure	*bar (g)*	40	40
	O_2 Pressure	*bar (g)*	< 2	< 2
	Dynamic Range	*%*	10 - 100	10 - 100
	Max Power Consumption	*kWh/kg*	<58	<58
Control	**Communication**	-	24/7	24/7
	Interfaces	-	Scada, Modbus and TCP/IP	Scada, Modbus and TCP/IP

(a) Low Voltage or Medium Voltage available upon request
(b) Customized footprints solutions available
(c) Smaller or Larger size are available upon request

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.

www.imi-critical.com
https://vivo.imi-critical.com/



Contact us at imivivo@imi-critical.com for a free preliminary sizing of your next Green Hydrogen plant!

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IMI REMOSA

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