

The blueprint for hydrogen generation systems



The HyGen 100, the first of a new range of hydrogen production solutions, is a 250kW electrolyser system producing 100Kg of hydrogen (H₂) per 24hrs / day. The HyGen Series offer a self-contained, modular deployable hydrogen electrolyser solution with the following options available: oxygen (O₂) take-off; compression; high-pressure storage; remote monitoring and both AC and DC input.

Model	HyGen 100
Class	250kW
Description	A deployable, self-contained integrated, modular and scalable electrolyser system
Dimensions	1 x 40ft standard ISO freight container
Hydrogen Production	
Net production rate Nm ³ /hr @ 0°C.1bar	50Nm ³ /hr
Hydrogen KgH ₂ /24hrs	106Kg
Average power consumption at stack	245kW
H ₂ & O ₂ Purity	99.999% (ISO14687-2-2012 & SAE J2719) Suitable for fuel cells
Delivery Pressure (bar(g))	40bar(g)
Ambient Temperature (other options available)	-5°C to +30°C
Power	
System power	275kW
Power supply	415V AC 3Phase 50Hz
Options	
Compression (single-stage)	40-300bar(g)
Oxygen (O ₂) output /24hrs	860Kg
High pressure storage volume	0-2000Kg - 350barg (up to 550bar(g))
Remote monitoring	2G, 3G, 4G NB IOT