



SIQENS EcoCabinet




Energy for your off-grid projects

As a plug-and-play system, the SIQENS EcoCabinet generates energy reliably – be it in locations without connection to the power grid, or as a backup to critical infrastructures. Each cabinet is delivered as a ready-to-run system – fully equipped with SIQENS fuel cell, battery, power distribution with fuses, and methanol supply. The silent and efficient operation protects residents and the environment from noise and emissions – both in residential areas and in remote regions. Thanks to our patented fuel cell technology, you will not only save fuel during operation, but also reduce your carbon footprint.

Depending on the configuration, the system covers peak loads up to 2 kW. The SIQENS Ecoport 800 charges the built-in battery with up to 19.2 kWh of energy per day. Optionally, the cabinet can be extended with a solar panel and a charge controller.

Independence from fossil fuels

We replace conventional generators with our patented fuel cell technology. You and your customers benefit from easy handling, minimal maintenance requirements and low fuel consumption – while contributing directly to the global reduction of carbon emissions. Using renewable methanol allows for a carbon-neutral operation. With the SIQENS Ecoport 800 you are independent from fossil fuels. In short: a sustainable and economical solution that meets the challenges of the 21st century.

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economical.
 Reduces fuel consumption and maintenance
- 
efficient.
 Direct conversion of fuel into electrical energy
- 
silent.
 Protects employees, residents and nature

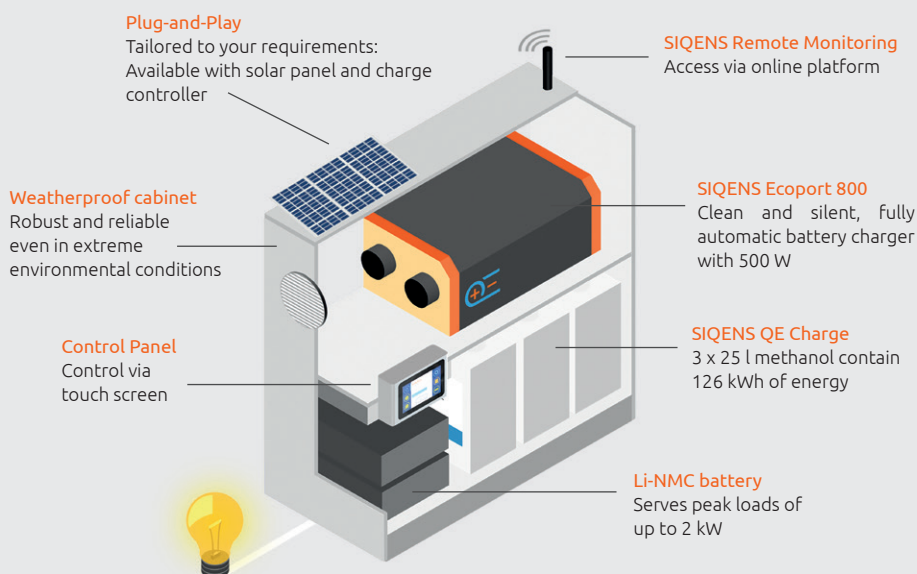
replacing
diesel generators.
with SIQENS
fuel cells.

Technical Data – SIQENS EcoCabinet

SIQENS EcoCabinet		
Power output (via battery)	up to 2 kW	
Nominal voltage (depending on configuration)	12 V DC 24 V DC 48 V DC 230 V AC	
Fuel cell	SIQENS Ecoport 800	
Fuel	Methanol (IMPCA, > 99.85%)	
Consumption	0.6 l/kWh	
Electrical efficiency	38%	
Charging capacity per day	Primary Power	12 kWh
	Backup Power	19.2 kWh
Battery type	Li-NMC	
Battery size	4 kWh	6 kWh
Starting temperature	- 20°C / + 50°C	
Storage temperature	- 20°C / + 50°C	
Noise level (at 7 m)	< 45 dB(A)	
Exhaust temperature	< 65 °C	
Fuel supply	3 x SIQENS QE Charge 25 l	
Storage capacity	75 l (approx. 126 kWh)	
Dimensions (L x W x H)	1,250 x 1,355 x 550 mm	
Weight	220 kg	240 kg
Protection class	IP 54	
Monitoring & Control	Online platform (Win/Mac/iOS/Android) Control Panel	
Optional equipment	140 Wp solar panel & charge controller mounted on cabinet	



Further configuration (e.g. higher power output, 2 x 60 l QE Charge fuel cell cartridges or higher battery capacity) available upon request.



Dimensions SIQENS EcoCabinet

