

## Low noise and zero emission hydrogen-powered generator set



### General

To answer the need of clean energy, H2SYS developed a complete range of generators producing electricity safely and silently without carbon emission.

The hydrogen-powered generator sets designed and manufactured by H2SYS are equipped with a hydrogen fuel cell. The fuel cell is integrated into a high performance hybrid system, developed by our team of engineers.

The BOXHY® range is the first mobile fuel cell generator matching electric of 5kW needs. Specific options are available such as forkliftable frame.

### Features

- Instant start - up
- Compact design
- High safety features
- No maintenance
- Noiseless
- Zero emissions

### Applications



Off-grid installations

Telecom

Events

Construction

## Technical data

### PERFORMANCES

Fuel Cell	3,000 W
Full power (W) – Boost Mode	5,000 W
Boost mode duration time	> 30 min
Boost mode duration time (battery only - power 3 kW)	< 30 min
Output voltage	230 VAC - 60 hz
Type of sockets	2 x 16 A + 1 x 32 A
Size (L x W x H) mm (in)	1,000 x 650 x 765 mm (39.4 x 25.6 X 30 in )
Weight kg (lbs)	150 kg (330 lbs)



### HYDROGEN

H2 specification	Minimum quality grade 3.5 (99.95%)
H2 inlet pressure with external H2 tank	5 - 9 bar

### OPERATION

Fuel cell technology	Aircooled PEM fuel cell
Noise (dB) 5 meters	Boost mode < 50 dB / Silent mode < 20 dB
Type of DC/AC inverter	Pure Sinus inverter
Hydrogen consumption	< 68 g / kWh
Operating temperature °C (°F)	+ 5°C to + 40°C (41°F to 104°F)
IP protection	IP 23

### CERTIFICATION

Designed under CE directives and specific market norms

Machine – 2006/42/CE  
Low voltage – BT 2014/35/UE  
EMC – 2014/30/UE  
Portable Fuel Cell Systems – EN 62282-3-100:2020



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### More information?

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