

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.

BOXHY® is a hydrogen-powered generator set equipped with a hydrogen fuel cell. The fuel cell is integrated into a high performance hybrid system, developed by H2SYS.

BOXHY® is the first mobile fuel cell generator matching electric of needs 5kW.

Features

- Instant start-up
- Compact design
- High safety features
- Low maintenance
- Noiseless
- Zero carbon emissions

Applications



Off-grid



Telecom



Events



Construction

Technical datas

PERFORMANCES

Prime running power	2700 W
Fuel Cell power	3000 W
Full power - Boost Mode	5000 W
Peak power	8000 W
Boost mode duration time	30 min
Duration time (battery only - power 3 kW)	20 min
Duration time (battery only - power 5 kW)	10 min
Embedded battery capacity	2200 Wh
Output voltage	230 VAC - 50 hz
Plug and sockets type	Three pin sockets: 2 x 16 A + 1 x 32 A (female) UPS mode: three pin sockets 1 x 32 A (male)
Paralleling	Yes (optional)
Size (L x W x H)	1050 x 660 x 870 mm
Weight	130 kg

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
Converter type DC/AC	Converter Pure Sinus
Hydrogen consumption	< 68 g / kWh
Operating ambient T°C range	+ 5°C to + 40°C
IP protection	IP 23
Handling	Lifting eyes bolt, Forkliftable frame

CERTIFICATION

Designed under CE directives and specific market norms	Machine - 2006/42/CE Low voltage - BT 2014/35/UE EMC - 2014/30/UE
--	---



**INFORMATION
AND
REQUEST FOR QUOTATION**



H2SYS

19 rue Becquerel - 90000 Belfort - France
+ 33 (0)3 39 03 40 93

info@h2sys.fr

www.h2sys.fr