

## A range of powerful, low noise and zero emission hydrogen-powered generator sets



### General

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 engineers team.

The THYTAN® generator sets range delivers a power up to 200 kVA. These generators can meet important energy needs on isolated sites, or construction sites not connected to the electrical grid.

Used as a back-up solution, this range can compensates for power outages and ensures continuous operation.

The THYTAN® range is composed of 2 gensets: the THYTAN® 90 (kVA) and the THYTAN® 150 (kVA).

### Features

Instant Start-up

Remote control

Flexible connection

Continuity of service

Paralleling with power distribution housing

Reduced maintenance

Autonomy and power

### Application



Off-grid



UPS - for power outages

## Technical data

### PERFORMANCES

THYTAN	THYTAN 90		THYTAN 150	
	cos phi = 1	cos phi = 0,8	cos phi = 1	cos phi = 0,8
Prime running power (PRP)	50 kW	60 kVA	80 kW	100 kVA
Emergency Stand-by Power (ESP) 1h	70 kW	90 kVA	120 kW	150 kVA
Peak power 5s	110 kVA		200 kVA	
Paralleling	With distribution box (not included)			
Starting	Instantaneous			
Lifespan	15 000 hours			

### TECHNICAL CHARACTERISTICS

Technology	Closed cathode PEM fuel cell (automotive model)
Output voltage	230 / 400 VAC - 50/60 Hz
Type of sockets	2 x 16 A single-phase Three phase sockets (up to 115 A) Powerlock Optional feature : Direct Bus bar connection
Grounding *	TT
Protection class	IP43
Operating temperature	From -5 to +45° C
Handling	Lifting eyes bolt, Forkliftable frame
Sizes (Lx W x H)	2995 x 1240 x 2390 mm

### COMPLIANCE

CE standards

\* Other neutral system is available on request



non-contractual photos



More information?

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