

# CATALOG

## Static Generator

Mod.: DG1000-2000-36.230



- ✓ Equipment suitable for indoor or outdoor operation
- ✓ Able to supply electricity to 230 VAC with a monthly average capacity of 36 KW/h with a set of three bottles B50
- ✓ Total ease of connection
- ✓ Possibility of recovery of heat energy from cooling.

### Technical data stack

Type:	Stack 48 V 2000W
Maximum total output power	2000W electric 1 +2000 W thermal ones
Number of cells:	80 cells (122 cm <sup>2</sup> active area)
Voltage:	48.00V-62.00V DC unregulated. Specific power 450 W / kg.
Hydrogen consumption	26 in / min (0.06 kg / h) at maximum load
Humidification:	Not required
Duty Cycle:	Continuous
Cooling:	Forced air circulation
Assistant:	PC interface for monitoring
Size of each grp (Stack):	2 x (213 x 174 x 80 mm)
Size control unit stack of each group:	2 x ( 150 x 125 x 76 mm )
Weight group (Stack)	4.4 kg
Control Unit Weight	9 Kg
Stack operating temperature:	63 ° Maximum
Hydrogen pressure	0.4 - 0,5 bar ,quality 4.5 standard
Air pressure:	Environment
Operating System:	Dead End Mode

# Portable Generator

Mod.: DG1000-2500-P



- ✓ Portable equipment
- ✓ Fuel for 4 KW / h
- ✓ Quick and easy replacement of the bottle (2 B10)
- ✓ Output at 230 VAC with an output of 2500 W and 5000 W continuous (periods of 30 minutes)

## Technical data stack

Type:	Stack 24 V 1000W
Maximum total output power:	1000W electric thermal +1000 W
Number of cells:	40 cells (61 cm <sup>2</sup> active area)
Voltage:	24.00V-38.00V DC unregulated. Specific power 450 W / kg.
Hydrogen consumption:	13 in / min (0.06 kg / h) at maximum load
Humidification :	Not required
Duty Cycle:	Continuous
Cooling	Forced air circulation
Assistant:	PC interface for monitoring
Size of each group (Stack):	213x 174 x 80 mm
Size control unit	
stack of each group:	150 x 125 x 76 mm
Weight group (Stack):	2.2 kg
Control Unit Weight:	4.5 Kg
Stack operating temperature:	63 ° Maximum
Hydrogen pressure :	0.4 - 0.5 bar, 4.5 quality standard
Air pressure:	Environment
Operating System:	Dead End Mode

# *Fuel Cell and Plant Balance*

Mod.: DG4000-4000-120.230



- ✓ The fuel cell unit is a complete system for generating electricity, housed in a standard rack of 17 “
- ✓ It does not produce contaminating waste, and noise
- ✓ Performance under adverse conditions, at low temperatures (- 30 ° and 50 °)
- ✓ Production of electricity of autonomous and automatic form
- ✓ Appropriate equipment for continuous supply of electricity for domestic use or similar
- ✓ Fully automatic
- ✓ Autonomy in terms of needs (recommended one month), can be reached at 12 months
- ✓ Refrigeration heat recovery

## **Technical data stack**

Type:	Stack 96V 4000W
Maximum total output power:	4000W electric thermal +4000 W
Number of cells:	160 cells (244cm <sup>2</sup> active area)
Voltage:	96.00V-124.00V DC unregulated. Specific power 450 W / kg.
Hydrogen consumption:	52in / min (0.24 kg / h) at maximum load
Humidification:	Not required
Duty Cycle:	Continuous
Cooling:	Forced air circulation
Assistant:	PC interface for monitoring
Size of each group (Stack):	4 x ( 213x 174 x 80 mm)
Size control unit	
stack of each group:	4 x ( 150 x 125 x 76 mm)
Weight group (Stack):	8.8 kg
Control Unit Weight	18 Kg
Stack operating temperature:	63 ° Maximum

Hydrogen pressure: 0.4 bar-0.5 bar, 4.5 quality standard  
Air pressure: Environment  
Operating System: Dead End Mode

## ***Lighting Tower***

**Mod.: DG1000-2500-TI-2x400bp**



- ✓ Elevating up to 7 meters
- ✓ Transportable by fast vehicle
- ✓ High Wheels
- ✓ Standard equipment with two 400W lamps low pressure sodium vapour
- ✓ Spotlights independent steerable in azimuth
- ✓ With autonomy for 12 hours to 180 hours (18 days at 10 hours a day)
- ✓ With auxiliary socket tool with 1700 W power (4000 W peak)

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Voltage: 24.00V-38.00V DC unregulated.  
Specific power 450 W / kg.

Hydrogen consumption: 13 in / min (0.06 kg / h) at maximum load  
Humidification: Not required  
Duty Cycle: Continuous  
Cooling: Forced air circulation  
Assistant: PC interface for monitoring  
Size of each group (Stack): 213x 174 x 80 mm  
Size control unit stack of each group: 150 x 125 x 76 mm  
Weight group (Stack): 2.2 kg  
Control Unit Weight: 4.5 Kg  
Stack operating temperature: 63 ° Maximum

Hydrogen pressure :	0.4 bar, 4.5 quality standard
Air pressure:	Environment
Operating System:	Dead End Mode

## ***Portable Tower with Unwinder***

**Mod: DG1000-2500.TI-2x400bp**



- ✓ Maximum height 7 m
- ✓ Telescoping mast galvanized steel structure
- ✓ 4 height-adjustable stabilizers
- ✓ Automatic brake lathe for maneuvering the lift tower drop effect
- ✓ Rotation distance commanded independently by each focus on the 360°
- ✓ Two projectors (expandable to four-lamp low pressure steam of 450 watts / unit)
- ✓ Mounting on the trailer quickly approved a single-axle and brake high inertia
- ✓ Standard trailer hitch
- ✓ Robust structure and multifunctional, suitable for work site
- ✓ Generator using hydrogen fuel suitable for maintaining the lighting of 4 lamps to 2 lamps, plus auxiliary power tool.
- ✓ Autonomy with 3 bottles, forty hours (40h) uninterrupted
- ✓ Commissioning and programmable automatic shutdown clock
- ✓ Preparations for the docking of cages with 12 cylinders and joints fast, so that autonomy is extended to 160h

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Duty Cycle:	Continuous
Cooling:	Forced air circulation
Assistant:	PC interface for monitoring
Size of each grp (Stack):	2 x (213 x 174 x 80 mm)
Size control unit	
stack of each group:	2 x ( 150 x 125 x 76 mm )
Weight group (Stack)	4.4 kg
Control Unit Weight	9 Kg
Stack operating temperature:	63 ° Maximum
Hydrogen pressure	0.4 - 0,5 bar ,quality 4.5 standard
Air pressure:	Environment
Operating System:	Dead End Mode

## ***Static Generator with Heat Recovery***

**Mod. DG1000-2000-36.230**



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