

# CommPac™ Base

*The Hydrogen and Fuel Cell stationary power solution*



- Complete and reliable solution
- Environmentally Friendly
- Silent, Clean
- Low and easy maintenance
- Excellent power quality



CommPac Base.

The Air Liquide - Axane hydrogen energy offer, a fully integrated power solution.

The stationary prime power generator.

The ideal complement for other renewable energies such as solar and wind.



Infrastructures Camusat SA.

## The Hydrogen and Fuel Cell stationary power solution

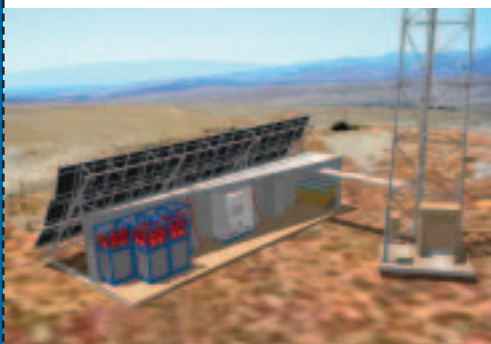
An integrated energy offer combining Fuel Cell and Hydrogen as a prime power

Air Liquide, world leader in industrial gases, combines its expertise in hydrogen with the know-how Axane Fuel Cell subsidiary, to propose a turnkey offer including the following services:

- Fuel Cell + Hydrogen Installation
- Maintenance and remote access supervision
- Hydrogen safety studies and training
- Energy optimisation

The system easily complements renewable energies (solar or wind energies) to optimise site operating costs and offer an environmental friendly energy supply for remote off-grid sites.

The integrated Air Liquide/Axane energy offer provides off the grid customers with a gas logistics adapted to a continuous demand for energy 24h/day, all year round.



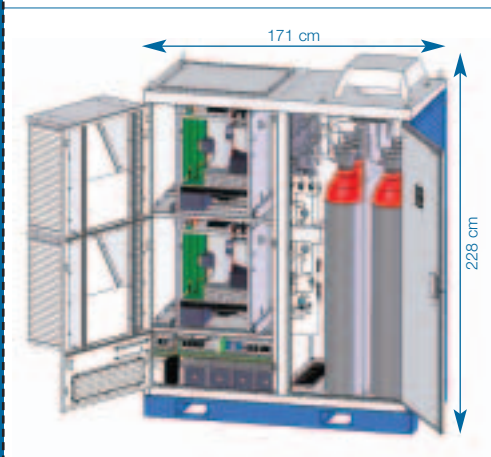
### Technical specifications

- Power range . . . . . From 0.5 to 5 kW (1 or 2 modules)
- Overload capacity . . . . . From 5 to 10 kW (depending on the configuration)
- User voltage . . . . . 110 V AC / 60 Hz or 230 V AC / 50 Hz  
48 V DC - Battery charger mode 48 VDC
- Output sinusoid . . . . . THD<sup>1</sup> < 5% with resistive load
- Electrical protection . . . . . surge protection and short circuit
- Sound pollution . . . . . 45 dba at 1 meter
- Weight w / o storage . . . . . 600 kg
- Dimension . . . . . 115 x 170 x 210 cm
- Maximum power . . . . . Instantaneous
- Storage temperature . . . . . -55°C to +70°C
- Operating temperature . . . . . -20°C to +45°C
- Maximum altitude . . . . . Up to 3 000 meters operating
- EC label . . . . . in process
- UL/CSA labeling . . . . . in process

1 Total Harmonic Distorsion

### Fuel Cell Advantages

	Fuel Cell	Genset	Fuel Cell Advantages
Noise	***	*	• Silent system for night or urban use with no discomfort to end user.
Polluting emissions	***	*	• Emissions: water and heat, allowing indoor use
Vibrations	***	*	• No vibration that can disturb human activity.
Reliability	**	*	• Chemical reaction simple, no moving parts.
Maintenance	**	*	• Maintenance every 2000 hours, no oil change operation.
Operation	**	*	• High efficiency remains stable across its full range of operation • Clean process: no emissions, no grease... • Hydrogen fuel doesn't degrade with time



AXANE. 2, rue de Clémencière. BP 15. 38360 Sassenage - France  
Tél. : + 33 (0)4 76 43 60 47. Fax : + 33 (0)4 76 43 60 28  
www.axane.fr - info@axane.fr