

Stand-Alone Hybrid Generator

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# *Hy-Sander*

The Self Sustainable Power Unit



## ENERGY EVERYWHERE

*The storage system for energy coming from sun and wind*

[www.energy-everywhere.eu](http://www.energy-everywhere.eu)

**UFLEX**

# The All-In Solution for your Electricity needs in remote locations

HyLander is a hybrid power generator, capable of producing energy from alternative sources such as solar and wind. It supplies its output directly to the users or accumulates energy to use it at a later stage, in a quiet and environmental way.

The power is the main characteristic of HyLander, as it is capable of delivering in a constant and silent way, up to 5 kVA with a peak of 10 kW only using the energy stored in the battery. In case of need, it can add extra power from the built-in generator, which intervenes to handle high power consumption, giving continuous autonomy to the system even in the absence of sun and wind.

ENERGY EVERYWHERE, EVEN IN ABSENCE OF SUN AND WIND WITH THE BATTERY LOW.

## FEATURES

- Power supply 230Vac - 50Hz or 115Vac - 60Hz
- Use of environmental compatible renewable energy
- Continuous output power with genset off: 5kVA
- Continuous output power with genset on: 10kVA
- Pre-assembled and factory tested, ready to use unit
- Energy from sun and wind at your service 365 days a year
- Built-in backing generator and 80 litres fuel tank
- Automatic Management of energy
- Remotely monitored via internet
- High capacity battery pack
- Silent running
- Easily transportable
- Designed and assembled in Italy
- All system components are CE marked

### Plug and Play

*The aim of the HyLander project is to provide a pre-assembled unit for the easiest transportation and installation in remote areas.*





## TECHNICAL SPECIFICATIONS

Output voltage AC	230V-50Hz / 110V-60Hz
Output voltage DC	48 V (12 V and 24 V optional)
Cont. Output power 25°C	5000 VA
Peak power (5 sec.)	10000 W
Genset cont. output power	5000 VA
PV modules power (recommanded)	From 1 kWp to 5 kWp according to working area
Battery pack capacity	19,2 kWh
DOD	Programmable from 30% to 70% (factory set 50%)
Usable battery capacity (50% DOD) without sun, wind or genset	9600 kWh
Data monitoring	LCD Display: voltage, current, power, state of charge, run time, load cycle, energy flow
Remote monitoring	Included, via internet connection
Dimensions (LxDxH)	1950 x 1020 x 1450 mm
Weight	approx. 1300 kg

## ACCESSORIES



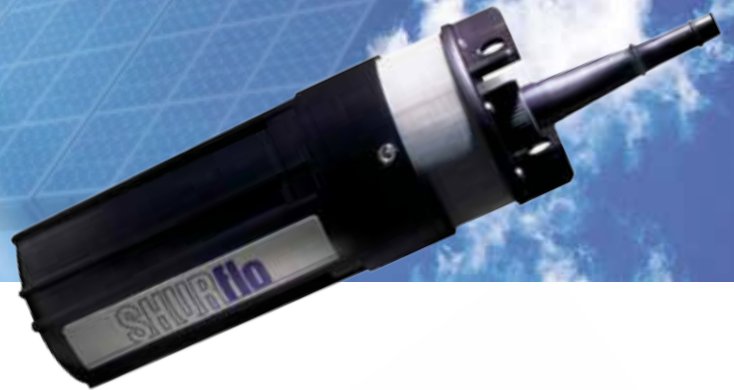
Wind generator 160W - 1000W



Converters DC/DC for direct use 12V or 24V



Shelter support photovoltaic modules



Submersible pumps

## APPLICATIONS

- Shelter, pastures
- Remote cottages, cabins
- Electrification of rural areas
- Missions
- Pumping water, irrigation
- Civil protection
- Schools and hospitals in not grid-connected areas
- Telecommunications
- Measurement stations
- Natural reserves
- Not grid-connected small islands
- Forest ranger Stations
- Public events
- ...And anywhere you need energy, in a quiet, clean and cheap way!

For warranty condition please refer to the Installation and User Manual

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