

Stand-Alone Hybrid Generator

en

Hy-Sander HD

The Self Sustainable Power Unit
For Hot Duty Environment



ENERGY EVERYWHERE

The storage system for energy coming from sun and wind

www.energy-everywhere.eu

UFLEX

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

HyLander HD is a hybrid power generator, designed to operate in hot environment, 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 HD, as it is capable of delivering in a constant and silent way, up to 10 kVA with a peak of 20 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.

The output power from the generator can added directly to the inverter power - power boost function - providing a continuous output power of 18 kVA.

HyLander HD is the optimal solution also as UPS/backup energy generator for unstable grid area.



HyLander HD *The Green Generator*



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.

FEATURES

- Power supply 230Vac - 50Hz or 115Vac - 60Hz
- Use of environmental compatible renewable energy
- Continuous output power with genset off: 8kVA
- Continuous output power with genset on: 18kVA
- Pre-assembled and factory tested, ready to use unit
- Energy from sun and wind at your service 365 days a year
- Built-in, professional backing generator and 80 litres fuel tank
- Developed for hot environment
- 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

APPLICATIONS

- Civil protection
- Schools and hospitals in not grid-connected areas
- Telecommunications
- Measurement stations
- Natural reserves
- Pumping water irrigation
- Not grid-connected small islands
- Rural mini-grids
- Public events
- Military and emergency relief applications
- Mining
- Rental
- Apartment buildings
- Construction sites
- Prefabricated buildings and mobile camps
- Agricultural applications
- Development building areas and compound
- ...And anywhere you need energy, in a quiet, clean and cheap way!

For warranty condition please refer to the Installation and User Manual



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	10000 VA
Peak power (5 sec.)	20000 W
Genset cont. output power	8000 VA
PV modules power (recommanded)	From 1 kWp to 5 kWp according to working area
Battery pack capacity	23 kWh
DOD	Programmable from 30% to 80% (factory set 60%)
Usable battery capacity (60% DOD) without sun, wind or genset	13,8 kWh
Data monitoring	LCD Display: voltage, current, power, state of charge, run time, load cycle, energy flow
Remote monitoring	Included, via internet connection
Dimensions (WxDxH)	1950 x 1130 x 1550 mm
Weight	approx. 1600 kg

ACCESSORIES



Wind generators



Multi-crystalline solar panels



Portable light towers



LiFe PO4 peak power pack



DC-DC converter



HyLander trailer



Console PV mounting system



Solar direct inverter pumps



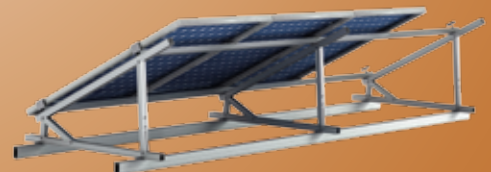
Semi-flexible solar panels



Submersible solar pump



OPzS 2V tropicalized cell
for solar storage



Mounting structures

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