

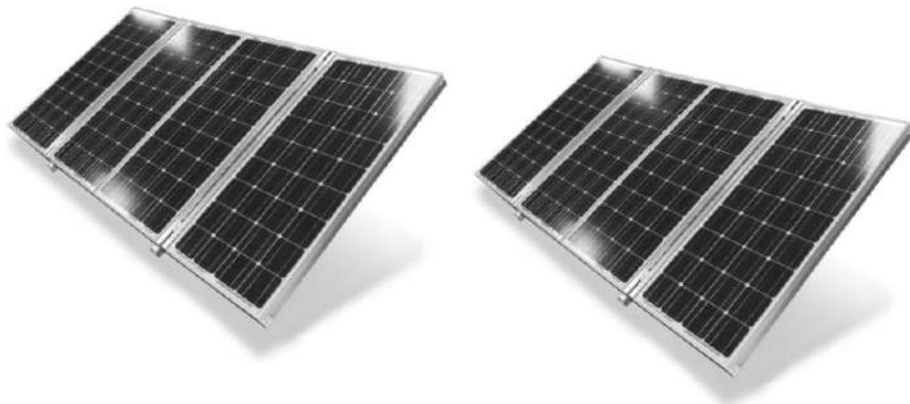
CASLI GROUP, ENERGY SOLUTIONS HYBRID POWER GENERATORS HYB-ENERGY



www.caslienergy.com



A World of Solutions.



Transdiesel SL, a company owned by CASLI GROUP, provides energy solutions adapted to every need. Diesel, Natural Gas, and Propane Gas generators, hybrid power generators, micro-cogeneration, even fully renewable solutions, adapting to all types of sites, powers and environmental resources.





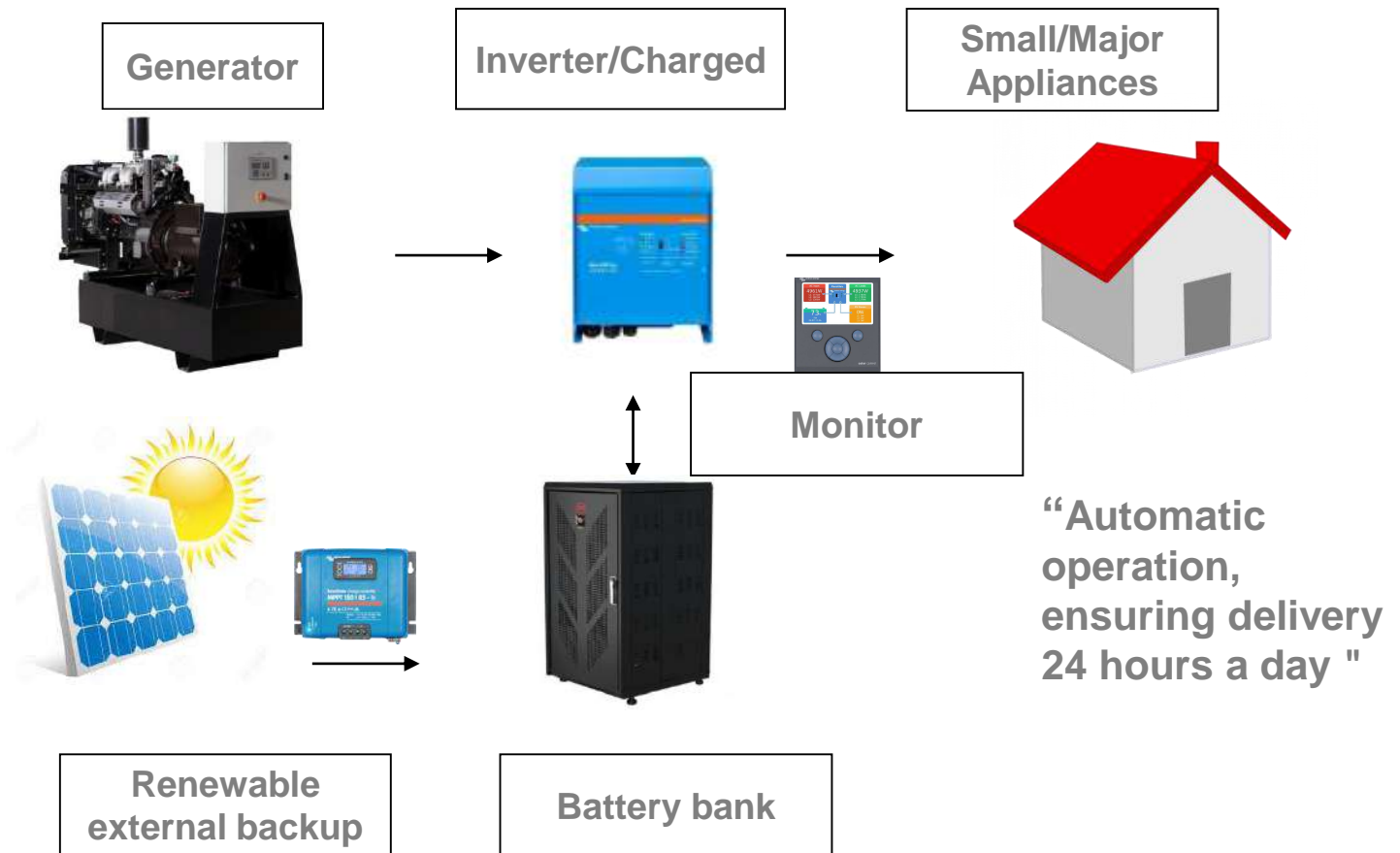
A new ecologic way of providing efficient and safe energy to homes isolated from the grid.

HYB-ENERGY, a generator with hybrid type batteries alternately draws renewable energy and a Propane or Diesel generator.

This equipment supplies energy to the appliances through a battery that is charged by solar panels, wind turbines or any other renewable source. Thus, the equipment works while there is power stored in the battery.



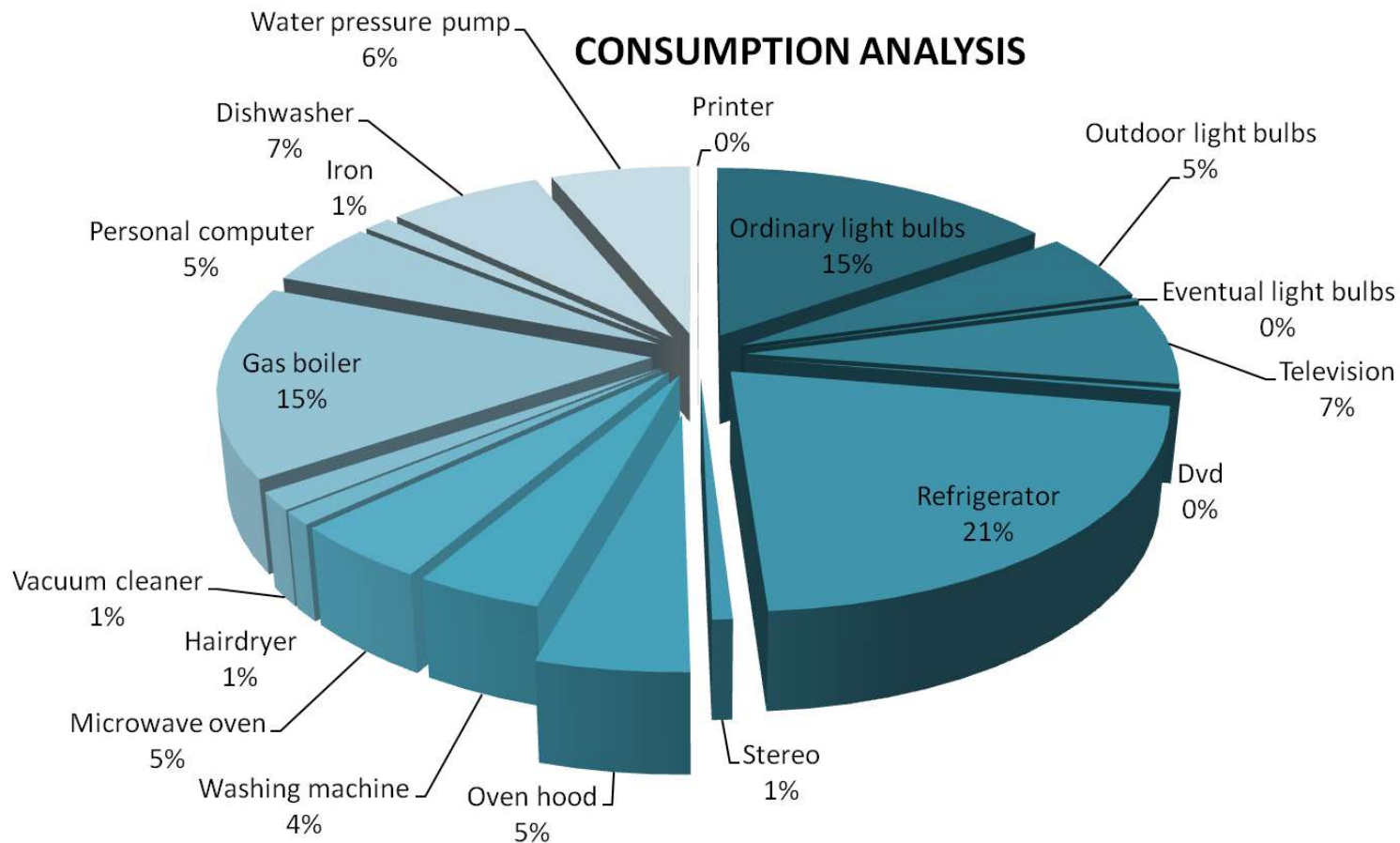
Operating Scheme



In a very reduce space the equipment integrates all the components necessary to supply electricity, engine, alternator, inverter/charger, battery bank grid, electronic devise for managing the equipment and connection box for external rolling support. Furthermore, it is soundproof and insulated to avoid noise, easily installed and carried on remote areas.

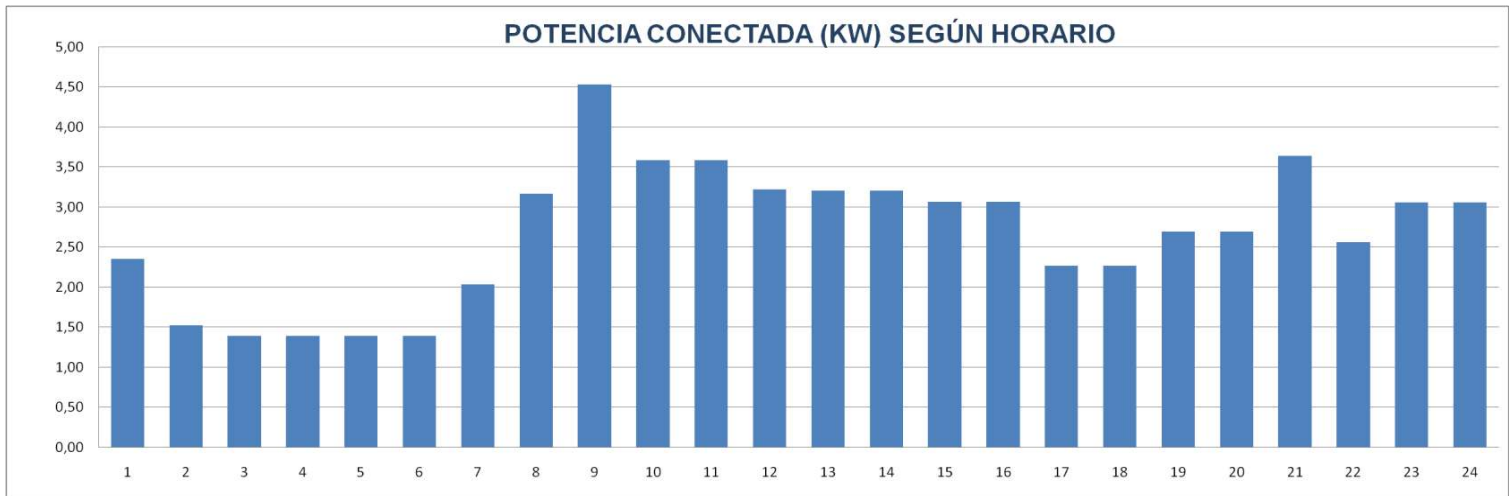


CONSUMPTION ANALYSIS



We propose energy efficiency measures that reduce energy consumption in dwellings for the optimization of the performance of **HYB-ENERGY**.

We analyze the energy demand peak, frequent consumption, possibilities of the site and calculate the equipment capable of satisfying this needs.



We calculate consumption according to the days of occupation and offer our clients a complete study case of profitability based on the savings with respect to conventional diesel equipment.

We even, analyze different scenarios depending on the conditions of the benefits obtained by the customer for the calculation of the IRR .



In recent years, fuel prices have increased by an average of 10% each year, hybrid solutions reduce fuel costs and help conserve the environment.

Combined Diesel or Gas generating power with energy storage also reduces the costs of operation and maintenance of generators as well as extending the durability of engines and alternators.

Diesel or gas, for all kinds of needs and locations

A right dimensioned equipment can stay several days without starting.



MODELOS Y NOMENCLATURA

DIESEL	GAS
SINGLE-PHASE (24V)	
HYB 5-8 D9	HYB 5-8 GP16
SINGLE-PHASE (48V)	
HYB 5-15 D15	HYB 5-15 GP16
SINGLE-PHASE (48V) LITIUM	
HYB 5-13 D15 LI	HYB 5-13 GP16 LI

HYB 5-15 GP16



Peak power of generator (kVA)

Combustible (D=Diesel, GN= Natural Gas or GP=Propane Gas)

Capacity of battery bank, (kWh) at 50% depth of discharge.

Peak Power of inverter (for 30 mts) in kVA.

Power ranges

We have different configurations available depending on your energy power and consumption needs. Single-Phase and Three-Phase.



Engine Power Range: From 6 kW up to 12 kW. (1.500 r.p.m).

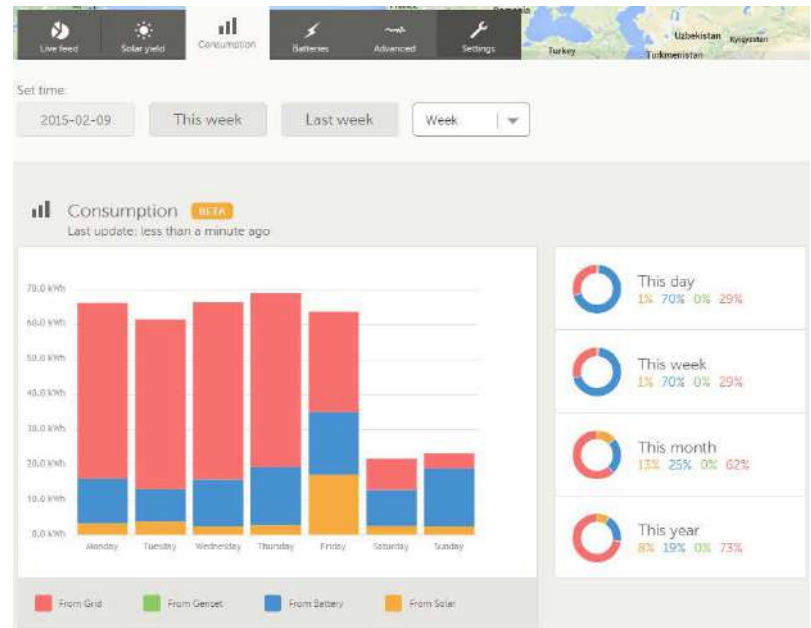
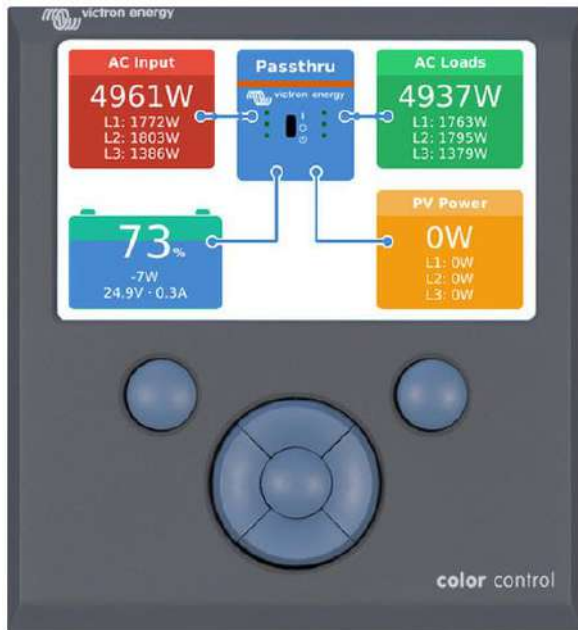
Inverter Power Range: From 3 kW up to 8 kW
And to 15 kW in Three-phase equipments



Accumulation Capacity Range: From 7,5 kWh up to 24 kWh, in C₁₀ at 50% depth of discharge.

MONITORING SYSTEM AND REMOTE CONTROL

In a very intuitive way we can see the state of charge of the batteries, the current energy consumption, the entrance of renewable energy and, even, we can start the generator remotely. We can also see and analyze reports on historical consumption in the range of dates we want.











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