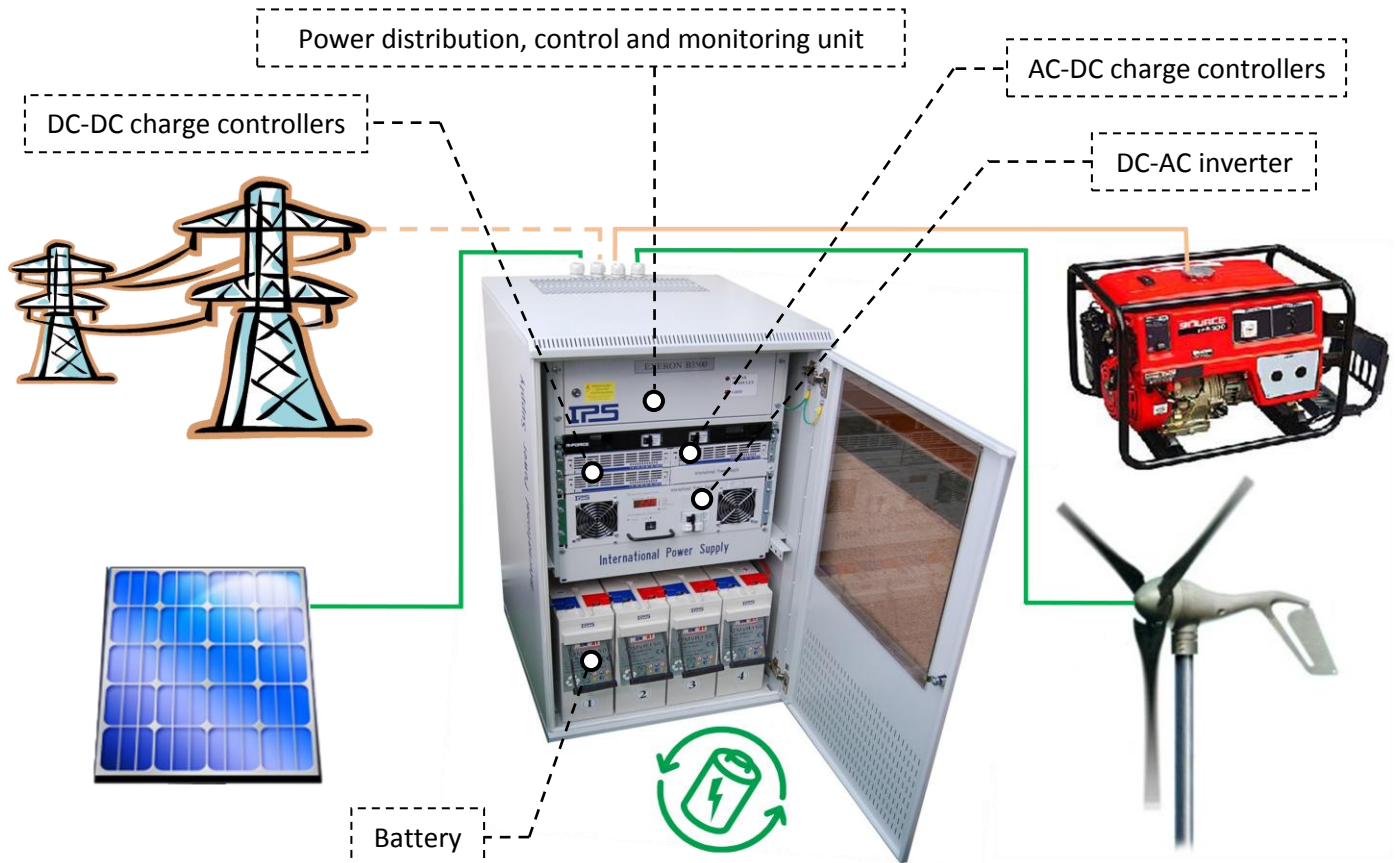


RENEWABLE ENERGY POWER SYSTEMS

SUN. WIND. DIESEL GENERATOR. BATTERY. GRID. Anything else?

EXERON – THE MODULAR HYBRID POWER SYSTEM



HIGHLIGHTS

The system can combine effectively the power from different energy sources like sun, wind, diesel generator and grid. The unused energy is being stored in battery for further reuse.

BENEFITS

1. Exeron ensures power independence for areas with limited or no grid power.
2. Exeron ensures significant cost savings for grid connected houses and any kind of power equipment.

FEATURES

- Microcomputer control
- Highly reliable modular structure
- Various system modifications
- Very short MTTR
- Remote monitoring
- Inputs: AC / DC
- Outputs: AC / DC
- Galvanic isolation between output / input and output / battery for maximum protection

EXERON - power independence at all times. Even without grid power.

Technical data

Charge Controllers, Inverter and System Control Unit

Input (DC)	
Voltage, maximal	400 V
Input (AC)	
Voltage, nominal	230 V / 3 x 400 V
Frequency	45 Hz ... 66 Hz
Output (DC)	
Voltage	24 V ... 220 V
Power, nominal	N x 2000 W
Output (AC)	
Voltage	230 V / 110 V
Voltage form	Pure sine wave
Power, nominal	N x 3500 VA
Battery	
Voltage	24 V ... 220 V
Capacity	No limitation
Type	No limitation
Other specifications	
Main functions and features	Recharge and maintain of all types of batteries Battery test and asymmetry control Voltage temperature compensation Fan speed regulation (current and temperature) Digital, light and sound signaling (LCD display, LED's)
Protections	Protection against over-voltage and disturbances at the input Protection against overload and short circuit at the output Protection against deep battery discharge Protection against high temperature
Remote monitoring	Yes
Operating conditions	
Ambient temperature	-30°C ... +65°C
Humidity	Operating: 0% to 95% RH non-condensing Storage: 0% to 99% RH non-condensing
Operating altitude	≤ 3000 m a.s.l.



Charge Controller BML4000



Inverter module IR3500

IPS International Power Supply