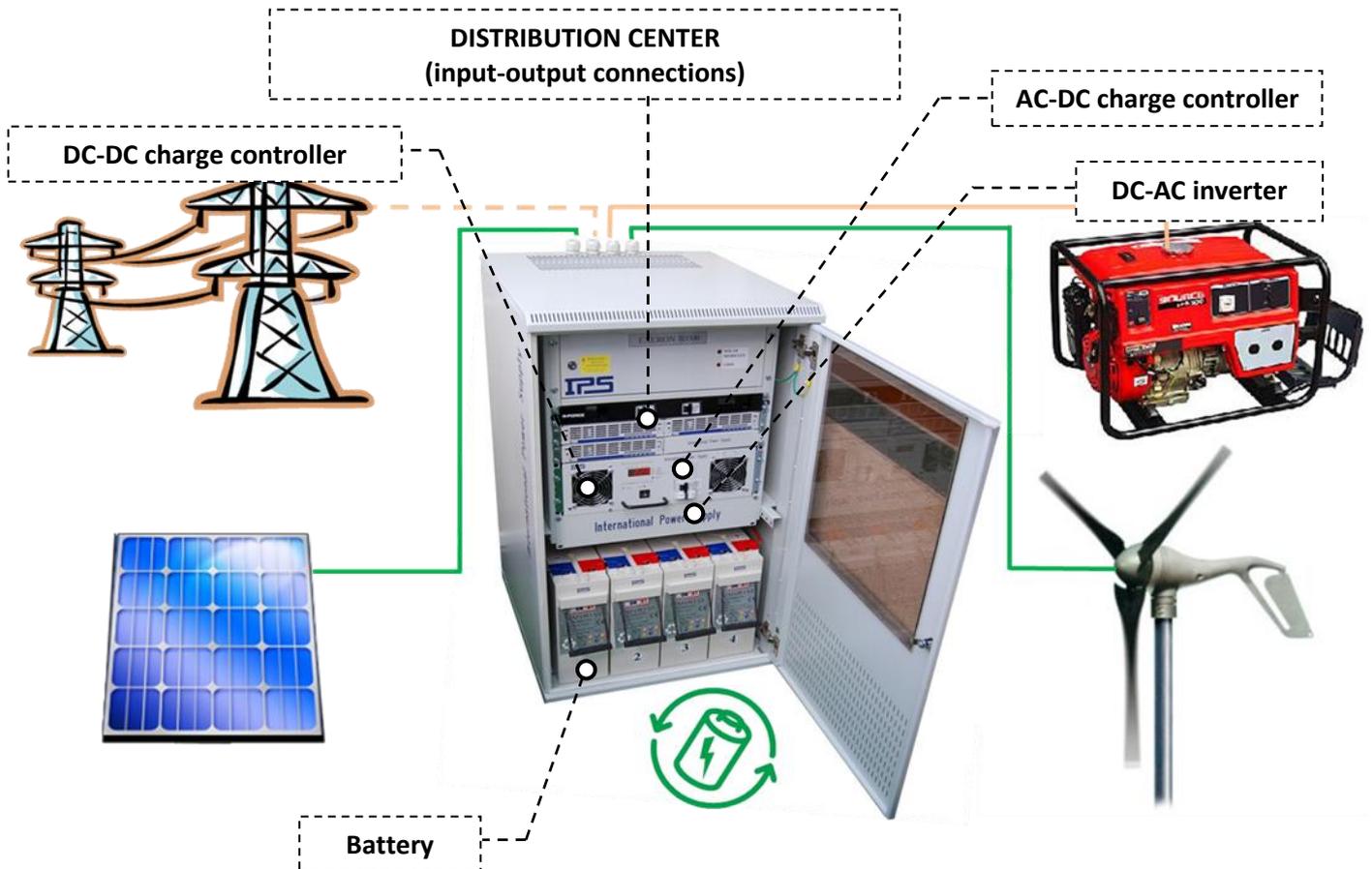


INDEPENDENT POWER SOURCE WITH RENEWABLE ENERGY

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



EXERON – THE MODULAR HYBRID POWER SYSTEM



2012 INNOVATION AWARD WINNER

HIGHLIGHTS

Exeron is a smart hybrid power system with varied range of applications. Under favour of Exeron, you can obtain continuous and efficient power with varied energy sources such as sun, wind, diesel generator and grid.

BENEFITS

1. Exeron provides regulated, safe and independent power source in areas with insufficient or no electricity.
2. Exeron provides significant savings in house, office and industrial applications.

FEATURES

- ELECTRONICAL(MICROCOMPUTER) CONTROLLED
- Modular structure with fault resistance
- Possibility of varied modifications, scalable
- Extremely short reparation time MTTR
- Remote monitoring
- Input: AC / DC
- Output: AC / DC
- Safe and galvanic isolated Input-Output and Output-Battery structure

EXERON – POWER INDEPENDENCE AT ALL TIMES. EVEN WITHOUT GRID POWER.

TECHNICAL DATA

CHARGE CONTROLLERS, INVERTERS

PV Input (DC)	
Uoc, (open circuit, min ... max)	140 V ... 450 V
UMPPPT, Full load	140 V ... 450 V
Max PV Power, per 1 SML	2000 Wp
MPPT efficiency	Up to 99.9%
MPPT tracker number, per 1 SML	1
MPPT tracker number, max	N x SML
Power, Capacity	N x 2000 Wp
Generator/Grid Input (AC)	
Voltage	220 V / 3 x 400 V
Frequency	45 Hz ... 66 Hz
ML Max Power	2000 W
Powe	N x 2000 W
Input (DC)	
Voltage	48 V
Deep discharge protection (LVD)	Optional
Maximum power for 1 SML/ML	2000 W
Maximum current for 1 ML/ML (48 V)	40 A
System power	N x 2000 W
Output (AC)	
Voltage	220 V
Voltage form	Pure sine wave
Nominal power	N x 4000 VA
System power	N x 4000 VA
Battery	
Voltage	48 V
Capacity	Unlimited
Other Specifications	
Main functions and features	Compatible with mono, poly and thin-film pv modules Compatible with lead-acid batteries Compensates voltage temperatures Digital, optical and sound signaling (LCD display, LEDs)
Safety and protection	High voltage and disturbances at the input Overload and short circuit at the output Deep discharge of the battery
Remote monitoring	Yes
Certification	CE
Ambient temperature	-30°C ... +60°C



EXERON

