

TECHNICAL CHARACTERISTICS

MODEL	STANDARD	COMFORT	PREMIUM
ITEM	G2G-S	G2G-C	G2G-P
GLOBAL SYSTEM			
Maximum Power (KW)-(A)	4-16	5-25	7-32
Power continue on battery (KW)	1.2	1.5	2.5
Photovoltaic power (Wc)	520	1040	
Generator set power (KW)-(A)	2.5-13	3-16	4.5-20
Tension of release AC (V)	240V 50Hz / option 120V		
Speed transfer of sources of energy	8 ms (Immediate)		
Connections of release	2 x PC 16A IP44		2 x PC 16A-1XPC 32A IP44
Weight (Kg)	300	600	700
Standart CE	EN 62040-1 EN 62040-2 NF EN 60950-1		
COMPOSANTS			
CHARGER / CONVERTER			
Power continue - power max (KW)	1.2-2.4	1.5-3	2.5-6
Electric current of the charger (Ah)	50		70
FROST BATTERIES WHITHOUT MAINTENANCE OPTION LITHIUM ION			
Tension of the bench (V)	24		
Number of elements	2	4	
total capacity- Available (KWh)	5.3-2	10-4	
MONOCRYSTALLINE SOLAR PHOTOVOLTAIC PANELS			
Power of one module (W)	260		
Number of elements	2	4	
RÉGULATEUR OF SOLAR LOAD MPPT			
Courant of load (A)	15	45	
GENERATOR SET			
Energy	gazoline	Diesel / Bio fuel	
Maximun power (KW)	2.5	3.4	5.2
Sound power 7 m	69 dba		58 dba
Motorization	Mono cylinder cooled by air		
Tank capacity (L)	10	18	20
Consumption (L/h) Max	1.1	0.89	1.2
BATTERY MONITORING			
Units of control	Voltmètre, hour ammeter , % capacity		
E.M.I.E ERMA MANAGEMENT INTELLIGENCE ENERGIE			
STARTING UP GENERATOR SET	MANUAL IGNITION BY BRIGHT WARNING DEVICE	AUTOMATIC IGNITION	ALLUMAGE AUTOMATIQUE
Start	< 60% of the battery discharge		
Stop	> 95% of the battery charge		
Start	Level of power > 1.2	Level of power > 1.5	Level of power > 2
Stop	Level of power < 1.2	Level of power < 1.5	Level of power < 2
STRUCTURE			
Driven tailer attaches hook / option rings	750 Kg ptac		
Material	Zinc plated electro stell		
Overall dimension with split solar panel LxH (m)	3.3 x 1.5 x 1.70	3.3 x 2 x 1.70	
Stabilizing crutches	4		
jocked move wheel	1		
Size of wheels	145-70-13		



Green to grid

HYBRID POWER-C



Off grid , powerful and economical electricity in a very simple way



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GROUPE CHARBONNIER



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YOUR CURRENT PROVIDER:

ERMA ENERGIE has developed hybrid, multi-energy and automatized generators thanks to an innovative and exclusive **E.M.I.E** management system.

COMPOSITION

New **E.M.I.E** Technology

ERMA MANAGER INTELLIGENCE ENERGY

Ensuring the management of energy by combining energy sources using an immediate relay. Thus saving on fuel consumption. **E.M.I.E** unifies the various energy sources as one flow - all towards the same power socket.



The Photovoltaic Solar Panels

The photovoltaic panels of the GREEN TO GRID stores solar energy to ensure a greener and cleaner electricity, an extendable source that stores surplus energy in batteries which also saves on fuel.



The Generator Grouping

The generator of the GREEN TO GRID (diesel, biodiesel or petrol) can automatically and efficiently produce electricity in all events of important power needs. That stores surplus energy in batteries too.



The Batteries

The batteries allow the GREEN TO GRID to be fully automated by storing the overproduction of the solar panel energy. The energy is continually grouped and stored and will supply electricity when the generator might not function as a result of a lack of ideal solar conditions and thus maximizing its' economizing value



The Trailer

The portable trailer forms part of the overall structure of the generator. This makes the generator easily transportable, compact and ready for use anywhere. Thanks to **E.M.I.E** the system is uncomplicated and less bulky.



Green to grid
HYBRID POWER

MULTI-USES



Island Housing



Stores & Businesses



Hôtels & Resorts



Event Planning



Grid failures



Rescue Operations



Farming



Communication Antennas



Military Uses

ADVANTAGES



SAVINGS

Reductions of between 50% and 70% on fuel consumption. Return on investment in less than four years. Less expensive than other systems with similar power.



SIMPLICITY

Plug and play without any constraint on the user. Generator is mobile and compact. Trailer can be adapted to most vehicles.



CLIMATE CONTROL

"Tropicalized System" adapts to any climate. Operating efficiently in humidity of up to 98% and temperatures of 70°C/158°F.



AUTONOMY

Reliable network assurance without power loss because of automated switching between energy sources.



GREEN ENERGY

Great reduction in CO2 emission. Bio-diesel compatible. System will function for over 25 years.



EFFORTLESS LOGISTICS

Reductions in transport costs and logistics.

