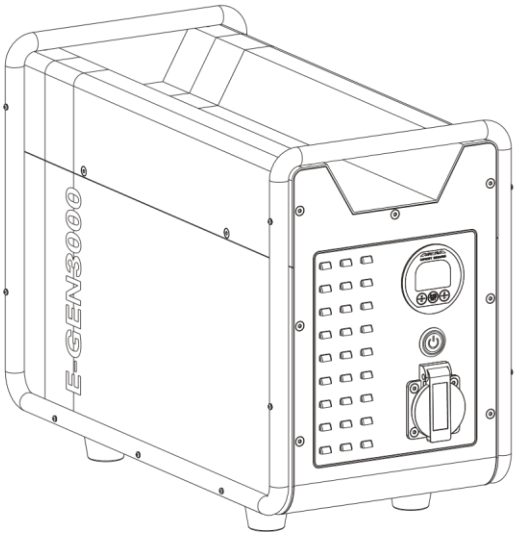
INSTRUCTIONS FOR USE

E-GEN

LITHIUM ELECTRIC GENERATOR

REFERENCE 2000 W: E-GEN2000
REFERENCE 3000 W: E-GEN3000
REFERENCE 3600 W: E-GEN3600



The E-GEN Lithium brings together all Energie Mobile's expertise in the field of on-board energy: lithium battery, 2000 W or 3000 W pure sine DC/AC converter, 12 V input/output connections, battery controller, metal case, carrying handle... Start-up is ultra-quick: just press the On/Off switch to make the E-GEN operational. Managing battery life is simple thanks to the BM800 battery controller integrated into the front panel..

The E-GEN can power 12 V and 230 V consumers. The 230 V battery charger supplied recharges the E-GEN's LiFePo4 lithium battery from the mains (grey Anderson 120 A socket). When the vehicle is in motion, it

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Energie mobile

can be recharged from the alternator using the optional DC/DC charger (integrated 120 A Anderson sockets).

Please read these operating instructions carefully before use. These operating instructions contain warnings and safety instructions informing you of possible dangers when handling the E-GEN. Keep these instructions for use in a safe place within easy reach of the E-GEN. These operating instructions are intended for people with previous knowledge of AC and DC electricity or on-board electrical power.

SAFETY INSTRUCTIONS

- The E-GEN should be placed on a flat, vertical surface (never upside down or horizontal) in a dry, well-ventilated place.
- Do not install the device near flammable materials or a source of heat, or next to or on top of other batteries.
- Only connect the E-GEN charger to protected 230 V sources.
- Do not obstruct the ventilation holes so that the unit can cool properly.
- Never recharge the E-GEN if the ambient temperature is below zero.
- If there is any doubt about the condition of a component or the battery, do not recharge the E-GEN.
- It is strictly forbidden to dismantle the E-GEN without the prior agreement of Energie Mobile, to modify the device or associated components, or to allow children to handle the device.
- Winter storage: if the device is not used, charge it every month.

CONTENT

- 1 x E-GEN
- 1 x 230 V / 12 V lithium battery charger for recharging the E-GEN from the 230 V mains supply
- 2 x Grey Anderson 120 A sockets
- 2 x Terminals for 120 A Anderson sockets
  (for 25-35 mm² cable)
- 2 x Terminals for 120 A Anderson plug
  (for 16 mm2 cable)

Charger

	E-GEN2000	E-GEN3000	E-GEN3600
Nominal 230 V power /peak	2000 W 4000 W	3000 W 6000 W	3600 W 7200 W
Energy capacity	100 Ah 1280 Wh	150 Ah 1920 Wh	300 Ah 3640 Wh
AGM equivalent	200 Ah	300 Ah	600 Ah
	6000 cycles at 50 %		
Connectors 230	1 x 230 V socket		2 x 230 V socket
Anderson	2 x 120 A		
Enclosure protection	IP34		
Dimensions L x l x h	425x 235 x 345 mm	475x 235 x 345 mm	475x 290 x 365 mm
Weight	22,7 Kg	29,4 Kg	45 Kg
Standard	C		

Getting started The E-GEN is delivered ready to use.

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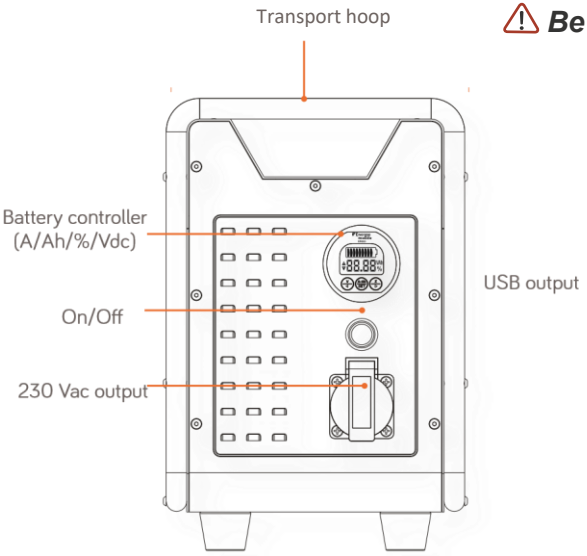
Cycling life	4000 cycles at 80 % - 2500 at 100%
Battery controller	A / Ah / V / %



⚠ ***Be sure to switch it off after use to avoid any unnecessary discharge.***

230 V on/off switch

Switches the E-GEN on and off. A beep sounds when the inverter is switched on and an LED on the switch.

230 V socket

For connecting 230 V appliances. Maximum power of 2000 or 3000 W depending on your model.

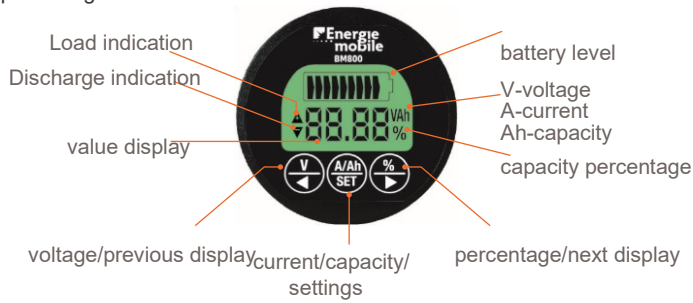
Note that compressors and motors can consume up to 10 times their power on start-up.

Inputs/outputs 12 V

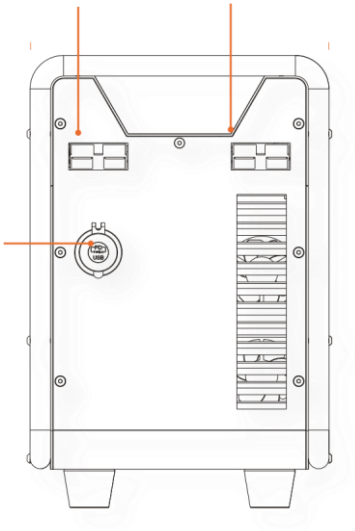
USB 3.0 + USB-C PD socket x 1

For recharging phones, tablets, cameras, etc.

the capacity as a percentage. To



After power-up, the controller displays the capacity as a percentage. To return to the percentage display at any time, press A/Ah SET and the current will be displayed. Press A/Ah SET a 2nd time and the voltage will be displayed. Press V and the voltage will be displayed. Press % and the capacity will be displayed.



Input/output 12 V- 120 A x 2

Grey Anderson-type socket 12 V- 120 A x 2 Can be used as an input/output for connecting, for example, a high-power DC consumer (max 120 A) and for connecting the E-GEN charger supplied.

Using the supplied charger

Switch off the E-GEN, plug the charger into the 120A Anderson-type socket and then plug in the mains plug.

If the charger remains connected to the E-GEN and the mains input is not connected, the LED will remain green.

Contrôleur de batterie BM800

The battery controller accurately measures battery voltage (V), charge/discharge current (A) and battery capacity (Ah and %).

1) Connect a consumer. When the discharge current is greater than 0, the backlight is activated and the BM800 indicates that the battery is being discharged by means of the down arrow symbol. 

2) Switch off the consumer and connect a charger. The charging current is greater than 0, the backlight is activated and the BM800 indicates that the battery is being charged by means of the up arrow symbol. 

3) When the charge or discharge current equals 0, the controller goes into standby mode and the backlight goes out to limit power consumption; the controller stores the capacity in its memory.

Please recharge your device quickly when the gauge reads 10%.

ⓘ When the BM800 controller is in standby mode, the very sensitive backlight may come on briefly due to interference from an inductive load, for example.

ⓘ Energie Mobile programmes the BM800 in the workshop. If the load current changes frequently, this may exceptionally cause an error in the accuracy of the BM800.

⚠ **If in doubt, you can reset the controller:**

fully charge the E-GEN then press the percentage button for 3 seconds to calibrate the controller.

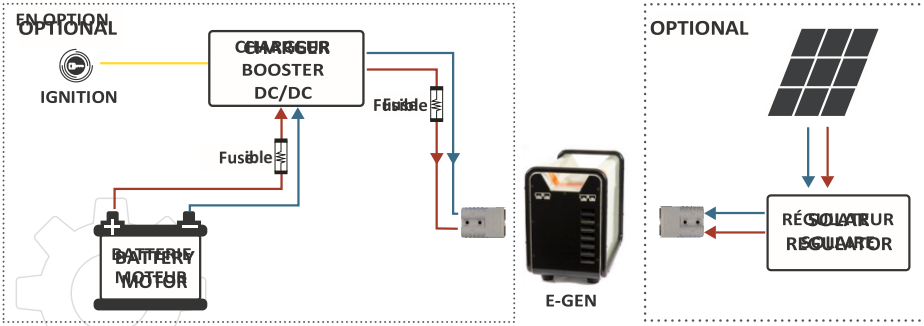
FITTING ANDERSON-TYPE SOCKETS

⚠ First of all, you need a cable with a cross-section suitable for the wattage of the consumer to be powered. Crimp the cable onto the terminal and check the crimping and polarity (positive and negative are identified on the plug). Plug the terminal into the socket and you will hear a noise confirming that the connection is correct.

If you wish to remove the terminals from the socket, take a flat screwdriver and press on the underside of the terminal.

Never perform this operation while the plug is connected to the appliance.

ASSEMBLY-TYPE OF CHARGER SUPPLIED



SIM +
D+ Simulator : Optional and for 12 V system only

DISCLAIMER OF LIABILITY AND WARRANTY: Installation, commissioning, operation, maintenance and service cannot be supervised by ENERGIE MOBILE. For this reason, we accept no liability for damage, costs or losses resulting from installation that does

Repairable & Reconditionable in our workshops beyond the warranty

Dispose of the appliance in accordance with the law on batteries.
The appliance must not be disposed of with household waste.
Take it to a recycling point or return it to the point of sale.

not comply with the regulations, faulty operation or inadequate maintenance. Use of the product is in all cases the responsibility of the customer. This device is not designed or guaranteed to supply installations intended to support life, or any other critical installation involving potential risks of damage to humans or the environment. Furthermore, we accept no liability for

infringement of patent rights or other third-party rights resulting from the use of the product.
The product comes with a 24-month parts and labour warranty, subject to proper use and installation.