



# SELF-ENERGY

12V- LPG Gas Generators

## Full electrical power with LPG gas!



### Optimize energy and save money

The **SELF ENERGY** works in a very easy way: it constantly checks the batteries for the accumulation of the electric power – even the power produced by photovoltaic cells – and starts running only when the voltage drops under a critical, pre-defined level. The high engineering of the **SELF ENERGY** guarantees easy installation and simple and cost-saving assistance.



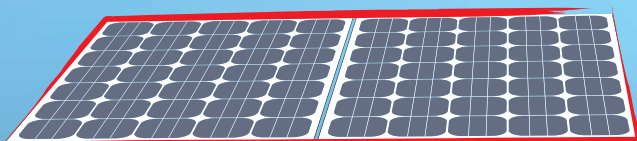
### High energy performance

The **SELF ENERGY**, with its Dynamo Motor, fed with common LPG or Propane gas, produces 20/25 Ah 12V power. Thanks to an efficient energy recycling disposition, the cooling air (directed outwards) can be regained.

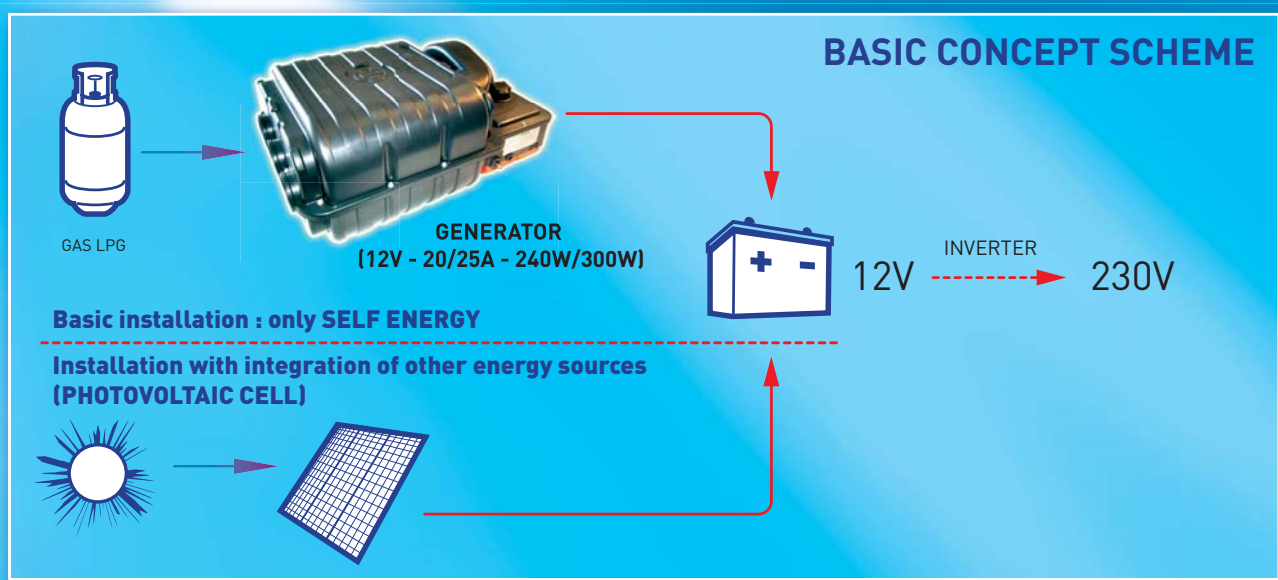


## Always sunshine

Solar energy + **SELF ENERGY** = a winning couple



When the photovoltaic cells are not sufficient to guarantee electrical power



### Technical features “SELF ENERGY” Models **EG20 - EG20 MEF - EG25 MEF**

|  |  |                                 |                           |
|--|--|---------------------------------|---------------------------|
| Working  | Automatic, through a constant monitoring of the service batteries, managed by a micro-controller |                                 |                           |
| Working status   | Indicated on the electronic control unit   |                                 |                           |
| Working Temperature  | +50°C ÷ -25°C (at < 0°C use Propane gas)   |                                 |                           |
| Nominal tension  | 12V  |                                 |                           |
| Nominal current  | 20 A/hour <b>EG20 - EG20 MEF</b> 25 A/hour <b>EG25 MEF</b>                                       |                                 |                           |
| Two stroke engine feeding  | LPG (pressure 30 mBar ± 2)   |                                 |                           |
| LPG consumption  | Each actual working hour:  | 0,27 Kg <b>EG20 - EG20 MEF</b>  | 0,29 Kg <b>EG25 MEF</b>   |
| Lubricating consumption  | 1 Litre/~ 115 hours of actual working  |                                 |                           |
| Sound pressure at 7 meters LpA in compliance with directive 2000/14/CE | Sound Pressure measured LpA:   | 51dB (A) <b>EG20 - EG20 MEF</b> | 52 dB (A) <b>EG25 MEF</b> |
|  | Registered sound power LwA:  | 74dB (A) <b>EG20 - EG20 MEF</b> | 76 dB (A) <b>EG25 MEF</b> |
|  | Guaranteed sound power LwA:  | 76dB (A) <b>EG20 - EG20 MEF</b> | 78 dB (A) <b>EG25 MEF</b> |
| Weight   | 19 Kg with full lubricating tank   |                                 |                           |
| Length in mm   | 565 (necessary for the installation 700)   |                                 |                           |
| Width in mm  | 380 (necessary for the installation 400)   |                                 |                           |
| Height in mm   | 250 (necessary for the installation 280)   |                                 |                           |
| Total capacity of the batteries (recommended)                          | 160 ÷ 300 Ah <b>EG20 - EG20 MEF</b> 300 ÷ 500Ah <b>EG25 MEF</b>                                  |                                 |                           |
| Protections  | Oil minimum level - Motor thermal protection   |                                 |                           |
| Installation   | External   |                                 |                           |

|   | <b>EG20</b> | <b>EG20 MEF</b> | <b>EG25 MEF</b> |
|---|-------------|-----------------|-----------------|
| Distributed current   | 20 A        | 20 A            | 25 A            |
| Energetic independence  | ✓           | ✓               | ✓               |
| Automatic running (Start 11,9V- Stop 14,5V )                    | ✓           | ✓               | ✓               |
| Manual running* with automatic switch-off                       | ✓           | ✓               | ✓               |
| Programming of running periods with Time Switch (Optional)      | ✓           | ✓               | ✓               |
| Optimization of functioning in high mountains                   |             | ✓               | ✓               |
| Automatic variation of current distribution                     |             | ✓               | ✓               |
| Ideal for batteries with a total capacity from 300 Ah to 500 Ah |             |                 | ✓               |

\*Start range with manual mode = from 12 V to 13V