



PolarGreen

Solar energy portable systems

***PolarGreen develops
and sells foldable
systems for the
field of portable
photovoltaic
generation.***

**Created from spatial
technology which allows
electrical energy
generation in any
place, and it has a
quick installation and
removal time.**

***Immediate
clean
energy in
a compact
area***



 **PolarGreen**
Energy generation portable systems

PolarGreen

CASE



PolarGreen Case is a portable system developed to generate energy for low-power systems. It can be used by any user in an effortless way

Composition

- 1 Foldable solar panel with 200 W
- 1 Solar charge controller PWM
- Inverter 375 VA – 700 W of peak power
- 414 Wh of storage
- Recharge of an external battery

*Optional

Power

- 200 W

Transportable

- Case with wheels
505x380x260 mm

Quick and easy assembly

- Assembly done in less than 5 minutes by unqualified personnel and without specific tools

Versatile

- USB charging port
- 2 12VDC plug and 12VDC lighter
- 1 plug schuko 230 VAC
- Accessory to charge an external battery 12 VDC (lead acid, Lithium LIFEP04 and Lithium Ion 3s)

Durability

- Designed with extremely tough materials and thought to use it in the outdoors

Applications

Ideal for **low-power systems**, both **household** and **industrial** uses. It includes 4 USB ports for directly charging phones, 3 outputs 12 VDC, 1 plug 230 VAC.



Leisure activities



Outdoor sportive activities



Professional activities in difficult access areas



Agricultural activities



Display

Plug and play

Portable










Compact

Available models

PolarGreen CASE 200W

PolarGreen CASE 600W

PolarGreen CASE 1000W

	Solar panel power	⇒	Foldable solar panel of 200w	⇒	2 foldables solar panels of 600w	⇒	2 foldables solar panels of 500w
	Solar charge controller	⇒	PWM	⇒	MPPT	⇒	MPPT
	Inverter 12 VDC / 220 VAC	⇒	375 VA / Peak 700 W	⇒	800 VA / Peak 1500 W	⇒	1200 VA / Peak 2200 W
	Storage LiFePO4 12,8 V	⇒	414 Wh	⇒	921,16 Wh	⇒	2027 Wh
	Energy outputs	⇒	2 USB, 2 12VDC plug, 1 12 VDC lighter, 1 schulko 230 VAC	⇒	2 USB, 2 12VDC plug, 1 12 VDC lighter, 1 schulko 230 VAC	⇒	2 USB, 2 12VDC plug, 1 12 VDC lighter, 2 schulko 230 VAC
	Recharging function from 220 VAC	⇒	Optional	⇒	Included	⇒	Included
	Recharging function of an external battery	⇒	Optional	⇒	Included	⇒	Included
	Transportable case with wheels	⇒	505x380x260mm	⇒	800x600x360mm	⇒	962x591x578mm
	Aproximate weight	⇒	18 Kg	⇒	40 Kg	⇒	65 Kg

PolarGreen

TOW

PolarGreen Tow is a photovoltaic energy generation system, it secures the protection and preservation of the environment, it assembles and disassembles easily.



Composition

- › Solar Panels
- › Foldable structure
- › Controller
- › Inverter
- › Trailer
- › *Configurable according to customer needs

Power

- › 2,5 kW - 6,5 kW

Transportable

- › Approved trailer available in diverse sizes

Quick and easy assembly

- › Assembly done in less than 30 minutes by unqualified personnel and without specific tools

Self-sufficient

- › The system can be configured depending on the customer needs
WITHOUT MAINTENANCE



Applications

Ideal for places where energy needs to be **generated in an autonomous** environment and in a **short time**.



Emergencies



Natural disasters



Campsites



Remote or difficult
access areas



Settlements with energy
needs



Temporary systems of
energy service



Quick and easy to install/remove

Compact

PolarGreen TOW
*generates a huge
amount of energy in a
short time*

PolarGreen

CONTAINER



PolarGreen Container is a compact foldable system, it assembles easily anywhere, inexpensive, and secure.

Composición

- › Foldable structure
- › Solar Panels
- › Battery
- › Control system

*Configurable according to customer needs

Power

- › 20": 35kW*
- › 40": 82kW*

*Depending on the requested solar panel

Transportable

- › Standard container sizes

Quick and easy assembly

- › Its assembly can be done by unqualified personnel and without specific tools

Self-sufficient

- › The system can be configured depending on the customer needs

Aplicaciones

Perfect for places where **energy needs to be generated in an autonomous** environment and almost instantly.



Emergencies



Natural disasters



Campsites



Remote or difficult access areas



Settlements with energy needs



Temporary systems of energy service



Quick and easy to install/remove



Compact

PolarGreen Container
*generates a huge amount
of energy in a short time*

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PolarGreen
Solar energy portable systems



European Regional
Development Fund

A way to make Europe

EUROPEAN UNION