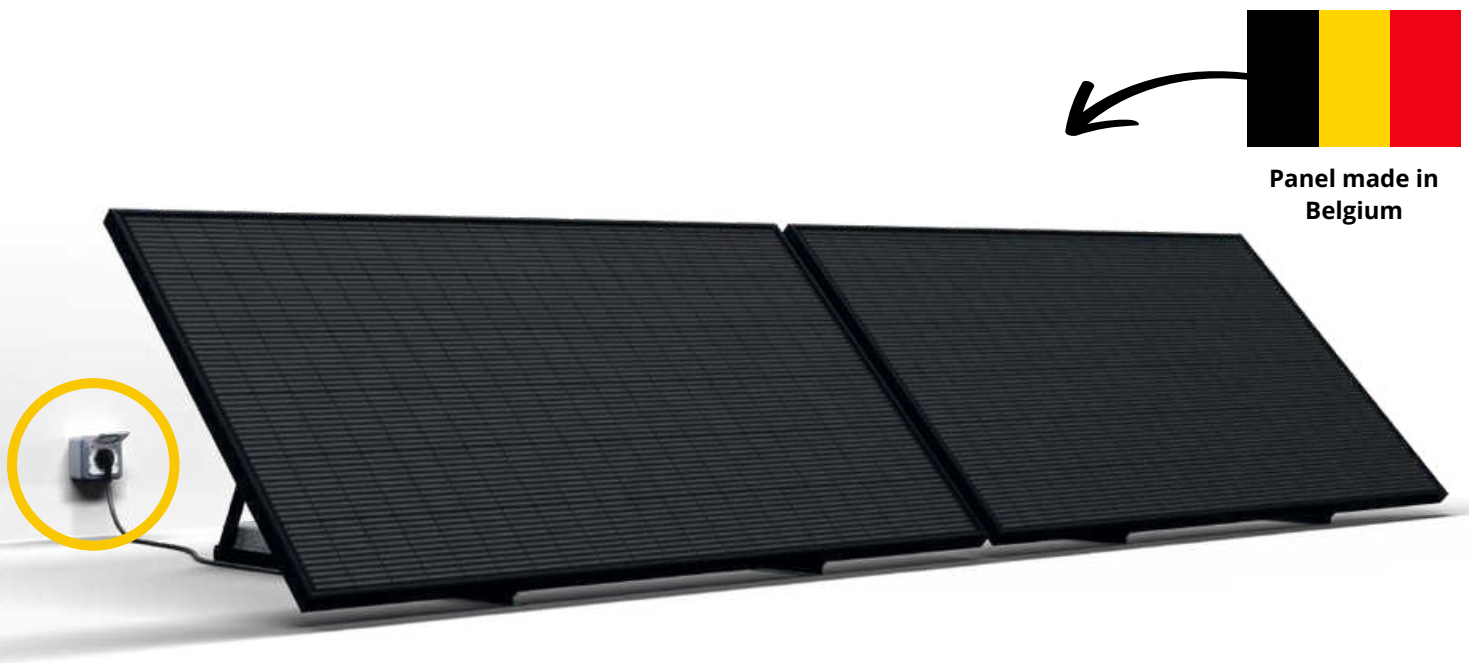


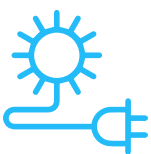
# THE ONLY BELGIAN SOLAR STATION, PLUGGED INTO AN OUTLET



## Proud to choose solar energy



## Plug in in 5 minutes and save directly on your electricity bill!



### Quick to install

Very easy, delivered ready to use, plug in and start saving in 5 minutes.



### Quickly profitable

Your station will pay for itself in 3 to 5 years on average.



### In serenity

Component reliability: performance assured and guaranteed for up to 25 years.



### Attractive

Designed to combine aesthetics, scalability, and portability.



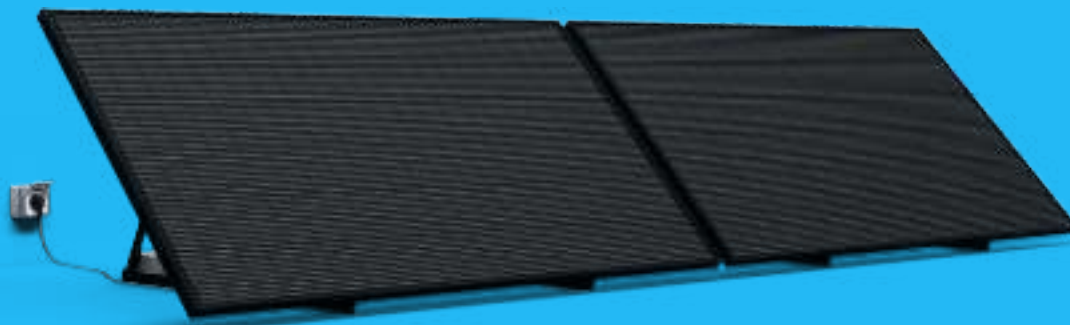
### Carbon neutrality

Panels made in Belgium.  
1 panel purchased = 4 trees planted with Graine de Vie.

# SIMPLE AND EASY



## A Plug & Play station: Solar panels, connected to a simple outlet



It only takes 5 minutes to plug it in and start saving money on your electricity bill.



Whether you are a tenant or a homeowner, you can quickly and easily switch to solar energy.



The only station whose signs are manufactured in Belgium. Supporting local employment.

## 4 simple steps to save money and take action on climate change



**1 I install**

I open the package and set up my ready-to-use station, pointing it toward the sun.



**2 I plug in**

I plug it in and the electricity generated is distributed directly to my devices.



**3 I save money**

I save money instantly because I reduce my network consumption.



**4 I act for the planet**

I am reducing my carbon footprint.

# Quickly profitable

An 800 W solar station **Up to 30% savings**

An 800W station can produce between **800 kWh** and **1000kWh** depending on your location and can offset the equivalent consumption of all the following appliances:



**LAPTOP**  
**22 kWh**



**INTERNET BOX**  
**97 kWh**



**DISHWASHER**  
**192 kWh**



**TV DECODER**  
**87 kWh**



**TV LED**  
**30 kWh**



**2 SMARTPHONES**  
**6 kWh**



**WASHING MACHINE**  
**101 kWh**



**1-DOOR REFRIGERATOR**  
**174 kWh**

**Pays for itself in an average of 3 to 5 years anywhere in Belgium.**

## Track your production with your expert tracking app

Forget simple connected outlets! Track your production with your free, comprehensive, expert photovoltaic monitoring app, which collects production data via Wi-Fi or Bluetooth.



# ATTRACTIVE



## Resistant “booster” production support

### Adjustable tilt between 27°, 42°, and 63°:

3 adjustable angles depending on the time of year.

27°: Summer

42°: Fall and Spring

63°: Winter

### Galvanized steel



## Aesthetics

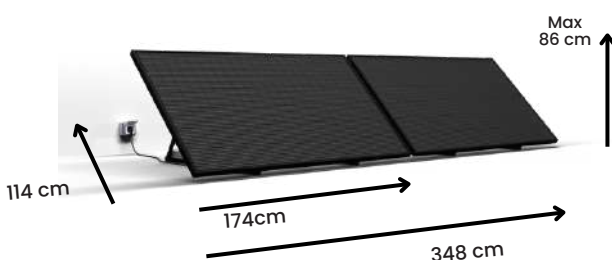
- Full black design panels
- Black powder-coated support

## Several possible installation locations

- Terrace, garden, flat roof, etc.



### DIMENSIONS AND WEIGHT:



33 kg per panel block, excluding ballast

## Scalable and mobile

- Removable
- Minimum space requirement

# PEACE OF MIND FOR THE LONG TERM

## thanks to our warranties!



### Belga Solar solar panel manufactured in Belgium

- Designed and manufactured in **Baillonville** by Belga Solar
- 84% power output guaranteed for 25 years
- High-performance cell technology
- **25-year** manufacturer's warranty



### Leading duo microinverters: N°1 worldwide

- Our manufacturer **APsystems** is the global leader in dual microinverters
- The most powerful, compatible, and compliant with your electrical network according to Synergrid C10/26 certification
- **12-year** manufacturer's **warranty**
- Remotely monitored using the tracking app



### Highly resistant support

- Manufactured by a specialist company in France
- Recommended for installation on the ground with ballast
- Resistant to wind, storms, hail, etc.
- Made of galvanized steel, weight 8 kg

# ITS IMPACT WILL MAKE YOU PROUD



## Panel made in Belgium



Belga Solar is the only manufacturer of solar panels in Belgium.

## Supports manufactured in France



Company specializing in France.

## Assembled by the Belga Solar teams

Directly in Baillonville, for optimal quality control of Plug and Play stations.



## Carbon neutral



**Graine de Vie** fights against global warming with reforestation programs around the world.



**1 solar panel purchased = 4 trees planted by the Graine de Vie association.**



# OUR CORE VALUES



## Ethics

Being transparent, guaranteeing fair prices, and earning your trust with tailored advice.



## Responsability

Minimizing the carbon footprint of our products and offering solutions that are accessible to everyone.



## Commitment

Having expertise, being innovative, and supporting you as best as possible with the best service.



## Reliability

Offer products that guarantee safety and long-term performance.



## A MISSION-DRIVEN COMPANY

### Belga Solar: Your solar partner in Belgium

Since 2012, **Belga Solar** has specialized in the manufacture and installation of photovoltaic panels in Belgium.

**Our mission** is to contribute to the European energy transition while stimulating the reindustrialization of Belgium.

With Belga Solar, choose a **trusted partner** to generate your own electricity and reduce your energy bill in the long term.



# FOCUS ON OUR PANEL



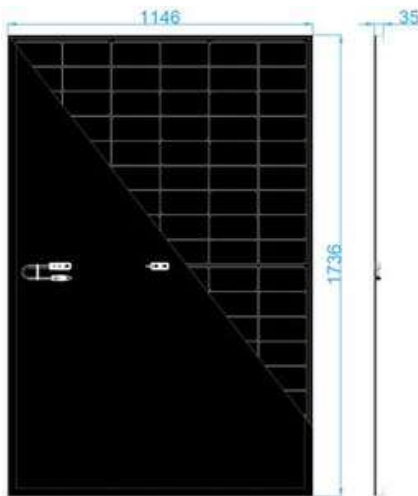
## Design 415



### ➤ Electrical characteristics

<b>P<sub>max</sub> (Wc)*</b>	<b>415</b>
<b>V<sub>mp</sub> (V)</b>	31,72
<b>I<sub>mp</sub> (A)</b>	13,08
<b>V<sub>oc</sub> (V)*</b>	37,79
<b>I<sub>sc</sub> (A)*</b>	13,78

(\* Measurement tolerances: +/-5% for P<sub>mp</sub>, +/-3% for V<sub>oc</sub> and I<sub>sc</sub>. All measurements are under STC conditions (25°C, 1000W/m<sup>2</sup>, A.M. 1.5). Temperature coefficients: P<sub>mp</sub>: -0.38 %/°C, V<sub>oc</sub>: -0.27 %/°C, I<sub>sc</sub>: +0.04 %/°C. NOCT: 46°C +/-2°C.



### ➤ Certifications and warranties

- IEC 61215-2:2021 and IEC 61730-2:2018
- Product warranty: **25 years**
- Performance warranty: **25 years**
- Power degradation: 1% in the first year and 0.6% per year thereafter
- Electroluminescence and flash testing: **100% tested**
- Safety class: II
- Maximum system voltage: 1000 VDCVDC

### ➤ Composition and technical specifications

- Monocrystalline PERC cells, 108 half-cut M10
- 3.2 mm tempered glass with anti-reflective coating
- Black anodised aluminium frame
- Fluorine-free black backsheet
- Junction box: IP68
- Connectors: MC4 compatible, 1.2 m cables
- Bypass diodes: 3
- Silicone-free frame
- Frame 35 mm
- Maximum load: 2400 N/m<sup>2</sup> (positive and negative pressure)
- Hail resistance: 25 mm at 23 m/s
- Dimensions: 1736 x 1146 x 35 mm / Weight: 22.5 kg

### ➤ Packaging

- Stackable wooden pallet
- 31 panels (vertical) per pallet
- Dimensions: 1740 x 1150 x H 1290 mm



# MICRO INVERTER ZOOM



## The duo microinverter

enables the electricity generated to be used – **Efficient**

### High efficiency

**99,5%**

maximum efficiency

① **MPPT voltage range**  
**28V bass**

**Production + morning and evening**



### Reliable

**12-year warranty**

- 1 A global benchmark in terms of quality
- 2 Easier heat dissipation thanks to unique integration



### Resistant

IIP67 protection rating:  
rainproof and dustproof.



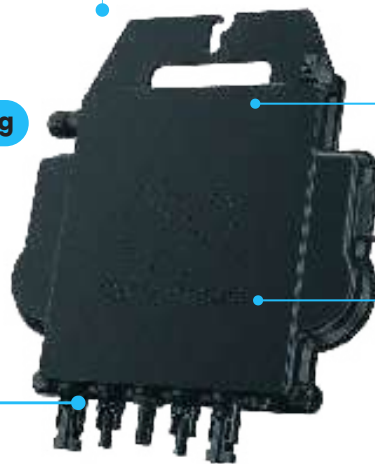
### Connected

**Le EZI** - Built-in Wi-Fi and Bluetooth to take advantage of the AP EasyPower tracking app.

### safety



Compliant with all Belgian Synergrid electrical standards and compatible with all electrical installations.



The third generation of APsystems duo microinverters achieves an unprecedented output power of **800VA (EZI)**, to accommodate high-power photovoltaic modules.

Equipped with **2 independent MPPTs** and Wi-Fi or Bluetooth communication, the EZI model features a completely new architecture.

Access to energy production **24/7** via the app or web portal makes it easy to monitor your production and also allows remote supervision of proper operation.



## The tracking app tracks your production and savings

Simple

Free

Expert

Complete





# TECHNICAL DATA

## SINGLE-PHASE



### INPUT DATA (DC)

#### MODEL EZ1-M

• Recommended module power (STC) per DC input	<b>300Wc-730Wc+</b>
• MPPT Voltage Range	<b>28V-45V</b>
• Operating voltage range	<b>16V-60V</b>
• Maximum DC	<b>60V</b>
• Maximum DC input current	<b>20A x 2</b>
• Isc PV	<b>25A x 2</b>

### OUTPUT DATA (AC)

• Maximum output power	<b>800 VA</b>
• Nominal output voltage	<b>230V/184V-253V</b>
• Nominal output current	<b>3.5A</b>
• Frequency variance	<b>50Hz/48Hz-51Hz</b>
• Power Factor (Default / Adjustable)	<b>0.99/0.8 advance...0.8 delay</b>
• Maximum number of units per branch of 2.5mm <sup>2</sup>	<b>2</b>

### YIELD

• Nominal MPPT Efficiency	<b>99.5%</b>
• Nighttime electricity consumption	<b>20mW</b>

### MECHANICAL DATA

• Operating ambient temperature range	<b>- 40 °C to + 65 °C</b>
• Internal operating temperature range	<b>- 40 °C to + 85 °C</b>
• Dimensions (W x H x D)	<b>263mm x 218mm x 36.5 mm</b>
• Weight	<b>2.8kg</b>
• AC output cable section	<b>1.5mm<sup>2</sup>(16A)</b>
• Connector types	<b>Stäubli MC4 PV-ADBP4-S2&amp;ADSP4-S2</b>
• Cooling system	<b>Convection - No fan</b>
• Protection rating	<b>IP67</b>

### FEATURES

• Communication (between microinverters and ECU)	<b>Built-in Wi-Fi and Bluetooth</b>
• Transformer type	<b>High-frequency transformer, galvanically isolated</b>
• Monitoring	<b>Access to monitoring options via the AP EasyPower platform</b>
• Warranty	<b>12 years standard</b>

### COMPLIANCE

Electrical network compliance, safety, and EMS

EN 62109-1/-2; EN 61000-6-1/-2/-3/-4; EN 50549-1; DIN V VDE V 0126-1-1; VFR; UTE C15-712-1; CEI 0-21; UNE 217002; NTS; RD647; VDE- AR-N 4105



Contact us and let's move  
forward with your project!

[welcome@belgasolar.com](mailto:welcome@belgasolar.com)

+32 86 38 81 38

[www.belgasolar.com](http://www.belgasolar.com)