



**EcoGreenEnergy**



# CORPORATE BROCHURE

Building a Greener World



PV Modules



EGE Home



Energy Storage

A photograph of a man and a young child running away from the camera on a grassy path in a park. The man is wearing a white polo shirt and dark pants, and the child is wearing a white t-shirt and shorts. The background is filled with green trees and a bright, sunny atmosphere.

# ECO GREEN ENERGY

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QUALIFICATION



# COMPANY PROFILE

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History of Development

Production R&D

# COMPANY PROFILE

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Eco Green Energy is a high-tech, leading French enterprise that has been producing single and multi-crystal solar photovoltaic modules since 2008.

With a full range of photovoltaic products including the latest N-type technologies, we provide energy system solutions for all kind of projects. Currently, our installed capacity has reached over 2GW. This has been made possible by our extensive network of over 120 distributors in over 75 countries worldwide, which allows us to deliver the latest innovative technologies.

We are committed to deliver French quality in every detail. Our PV modules range up to 665W with up to 21.40% efficiency for PERC (M12 12BB) and up to 22.73% for TopCon (M10 16BB). Meet Eco Green Energy - the new Smart PV Module Pioneer that is revolutionizing the solar market and setting high European standards.

We sincerely strive to make a positive impact on your business as well as people's lives. We are always on the path to #BuildingAGreenerWorld, so let's continue to work together to achieve this goal!





## DISTRIBUTORS

### AFRICA

Nigeria  
 Kenya  
 Madagascar  
 Egypt  
 Morocco  
 South Africa  
 Senegal  
 Eritrea  
 Ghana  
 Togo  
 Botswana  
 Sudan  
 Tanzania  
 Tunisia

### AMERICA

Mexico  
 Colombia  
 Peru  
 El Salvador  
 Honduras  
 Ecuador  
 Argentina  
 Chile  
 Guatemala  
 Uruguay  
 Paraguay  
 Panama

### MIDDLE EAST

Dubai  
 Saudi Arabia  
 Lebanon  
 Jordan

### EUROPE

France  
 Germany  
 Italy  
 Poland  
 Netherlands  
 Spain  
 Cyprus  
 Greece  
 Romania  
 Bulgaria  
 Hungary  
 Luxembourg  
 Belarus  
 Belgium

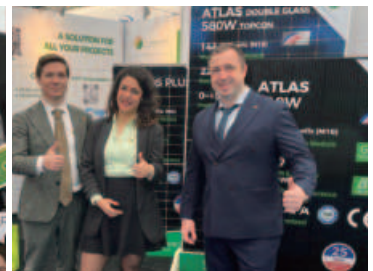
### ASIA / OCEANIA

China  
 Kazakhstan  
 Cambodia  
 New Zealand  
 New Caledonia  
 French Polynesia  
 Pakistan  
 Uzbekistan  
 ...



## 2GW

PRODUCTION CAPACITY



# BUSINESS MAP



**100+**  
PATENTS



**120+**  
GLOBAL  
DISTRIBUTORS



**75+**  
COUNTRIES  
PRESENT



# HISTORY OF DEVELOPMENT

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· Eco Green Energy founded in France

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**2008**

**2016**

· The first Semi-Automotive factory was established in Nantong (120MW/year)

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· A second fully-automotive factory was established (300MW/year)  
· International branding operation

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**2019**

**2022**

· A brand-new 2GW fully-automotive factory was established in Nantong  
· Luxembourg distribution center founded up

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· European B2B online store was launched  
· R&D & IT center was established  
· Initial version of EGE app firstly unveiled globally  
· New branch office in Paris

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**2023**

**2024**

· Year of IPO  
· Launch global solar IoT platform  
· Full range of solar application R&D & production

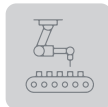
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2008-2024



## PRODUCTION R&D

Intelligent manufacturing, intelligent logistics, intelligent business system, to achieve comprehensive intelligent management, to ensure product quality, improve operational efficiency and service efficiency.



Highly automated manufacturing



Improve customer revenue levels



Lower production cost



Fully transparent intelligent manufacturing process

\* Our products have obtained various certifications, such as:  
ISO9001 ISO14001 ISO45001 IEC61215 IEC61730 CE...



# PV MODULES

N-type TOPCon Series

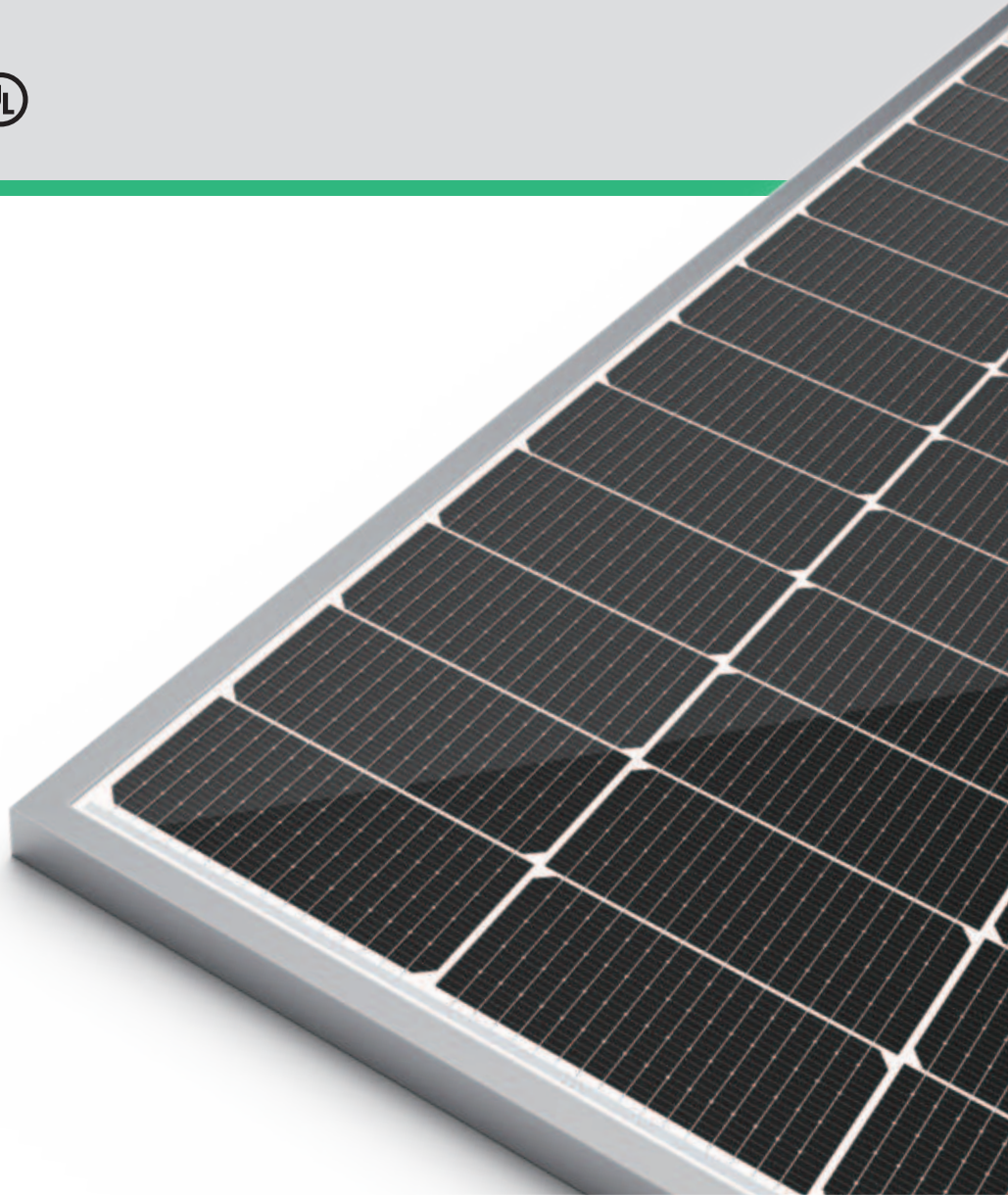
P-type PERC Series



# PV MODULE

## DIVERSIFIED PRODUCTS MEETING DIVERSE NEEDS

ECO GREEN ENERGY is market-oriented company that has successfully launched multiple products and different technologies, including PERC/TopCon latest technologies full range panels, both mono and double-sided, special residential full black panels solution (410-500W), etc. With continuous R&D investment, EGE continuously launches new products that meet market demand and establishes a competitive advantages.



# N-type

N-type cells are doped with phosphorus.



Higher Efficiency



Lower Degradation



Outstanding Power Generation



Anti PID/ Low LID Protection



Lower Temperature Coefficient



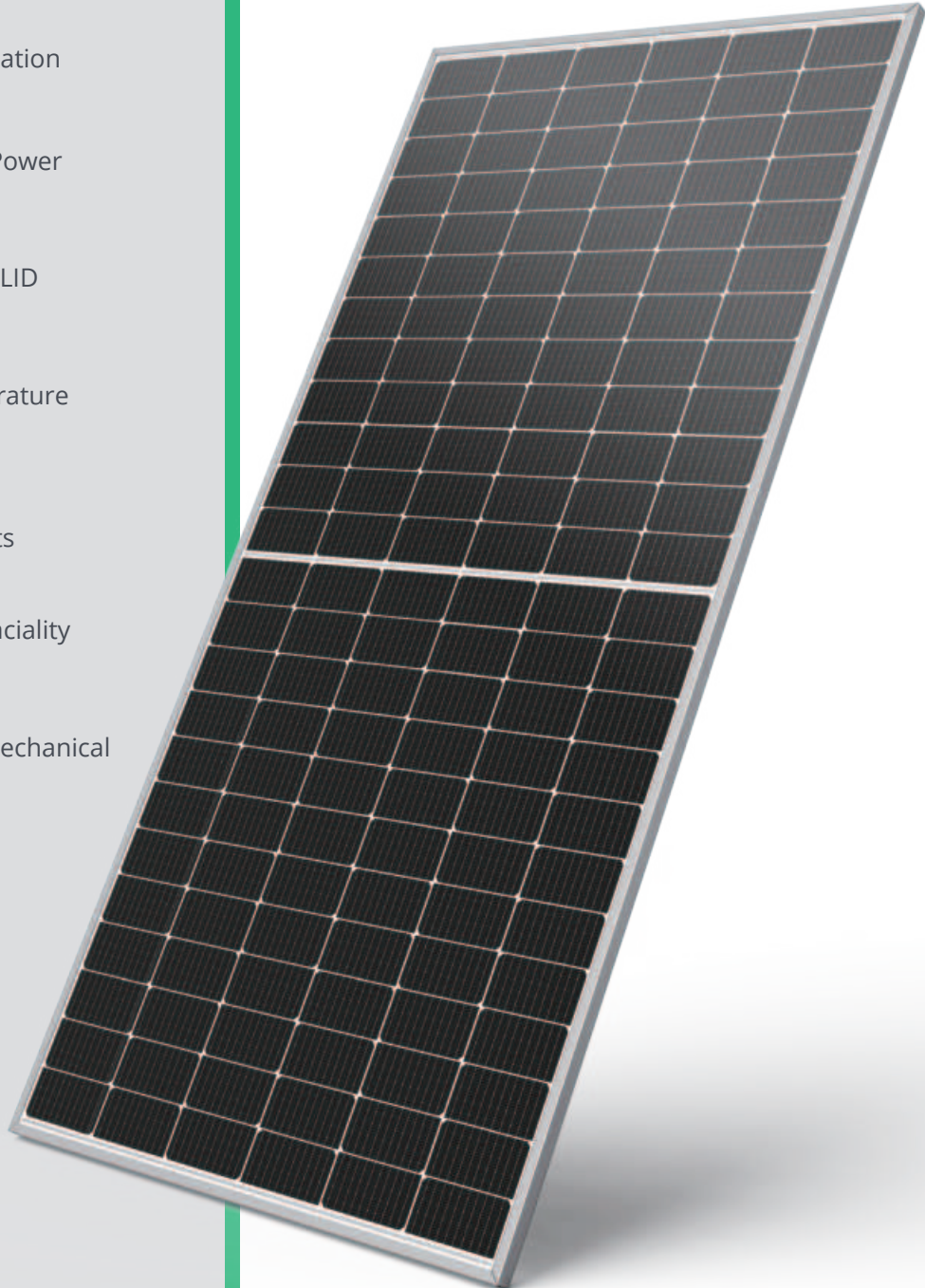
Less Hot Spot Shading Effects



Enhanced Bifaciality Factor



Exceptional Mechanical Resistance





**M10 Cells (182mm)  
16BB**



**Residential**



**C&I**



**Outstanding Power  
Generation**



**Less Hot Spot  
Shading effects**



**Lower temperature  
coefficient**



**Anti PID/ Low LID  
protection**

Reference Code	Power Output	Number of cells	Dimensions	Efficiency
Atlas TOPCon 615-635 W	615-635W	156	2464*1134*30 mm	Up to 22.73 %
Atlas TOPCon 565-585 W	565-585W	144	2279*1134*30 mm	Up to 22.64 %
Atlas TOPCon 520-540 W	520-540W	132	2094*1134*30 mm	Up to 22.74 %
Atlas TOPCon 470-490 W	470-490W	120	1910*1134*30 mm	Up to 22.62 %
Atlas TOPCon 420-440 W	420-440W	108	1724*1134*30 mm	Up to 22.51 %

Note: Available in Standard Frame, Black Frame and Full Black configuration

# TOPCon Bifacial



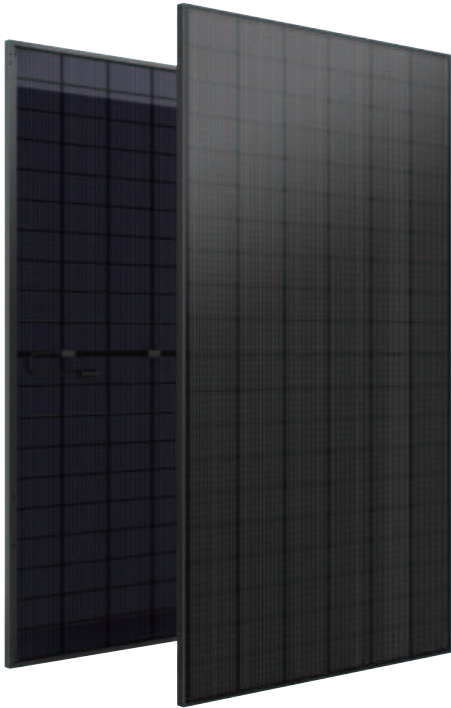
M10 Cells (182mm)  
16BB



Residential



C&I



Outstanding Power Generation



Less Hot Spot Shading effects



Lower temperature coefficient



Anti PID/ Low LID protection



Enhanced Bifaciality Factor



Exceptional Mechanical Resistance

Reference Code	Power Output	Number of cells	Dimensions	Efficiency
Atlas TOPCon 615-635 W Bifacial	615-635W	156	2464*1134*30 mm	Up to 22.73 %
Atlas TOPCon 565-585 W Bifacial	565-585W	144	2279*1134*30 mm	Up to 22.64 %
Atlas TOPCon 520-540 W Bifacial	520-540W	132	2094*1134*30 mm	Up to 22.74 %
Atlas TOPCon 470-490 W Bifacial	470-490W	120	1910*1134*30 mm	Up to 22.62 %
Atlas TOPCon 420-440 W Bifacial	420-440W	108	1724*1134*30 mm	Up to 22.51 %

Note: Available in Standard Frame, Black Frame and Full Black configuration

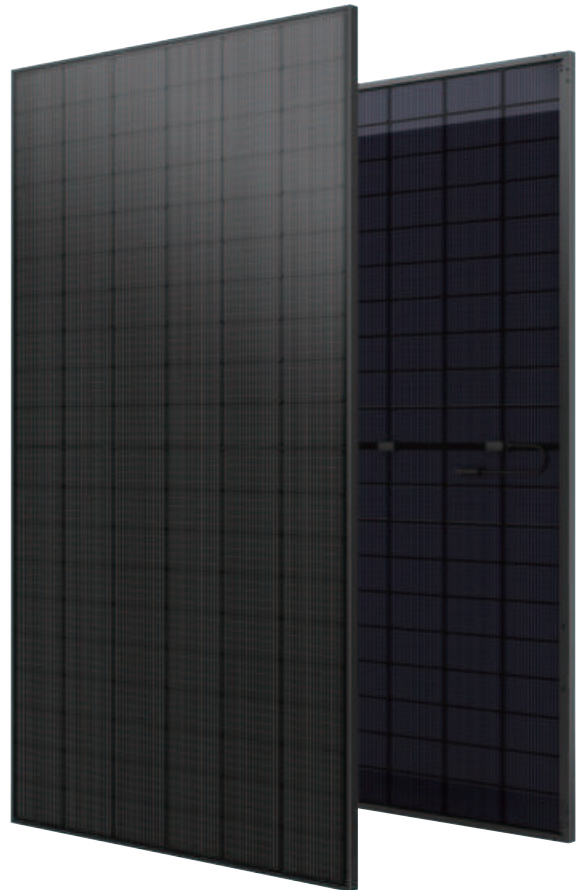


EGE-500W-120N(GM10R)




**500W** Bifacial

GM10R / 182mm Cell - 120 Half-cells



### KEY FEATURES

 Outstanding Power Generation

 Anti PID/ Low LID protection

 Lower Temperature Coefficient

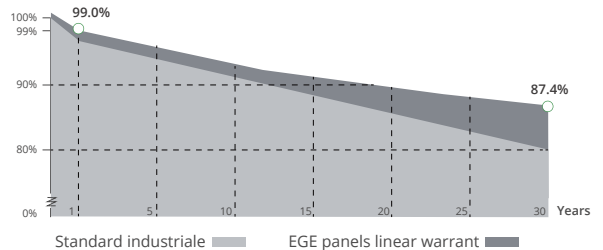
 Less Hot Spot Shading Effects

 Enhanced Bifaciality Factor

 Exceptional Mechanical Resistance

### LINEAR PERFORMANCE WARRANTY

20 Year Product Warranty 30 Year Linear Power Warranty



**22.11%**

Maximum Efficiency

**0~+5W**

Positive Power Tolerance

**500W**

Maximum Power Output

**GRADE A**

Cells Guaranteed

# *p*-type

P-type cells are doped with Gallium.



Outstanding Power Generation



Lower Temperature Coefficient



Anti PID/ Low LID Protection



Less Hot Spot Shading Effects



# P-type



M10 Cells (182mm)  
10BB



Residential



C&I



Gallium-doped  
Technology



Lower temperature  
coefficient



Lower LCOE  
and BOS



Anti PID/ Low  
LID protection



Less Hot Spot  
Shading effects



More power output in  
weak light condition

Reference Code	Power Output	Number of cells	Dimensions	Efficiency
Atlas 580-600W	580-600W	156	2465*1134*30 mm	Up to 21.47 %
Atlas 535-555W	535-555W	144	2278*1134*30 mm	Up to 21.48 %
Atlas 485-505W	485-505W	132	2094*1134*30 mm	Up to 21.27 %
Atlas 440-460W	440-460W	120	1910*1134*30 mm	Up to 21.24%
Atlas 395-415W	395-415W	108	1724*1134*30 mm	Up to 21.23%

Note: Available in Standard Frame, Black Frame and Full Black configuration



**p-type**

EGE-500W-132M(M10)

# ATLAS

**500W** Full Black  
M10 / 182mm Cell - 132 Half-cells



## KEY FEATURES



Outstanding Power Generation



Anti PID/ Low LID protection



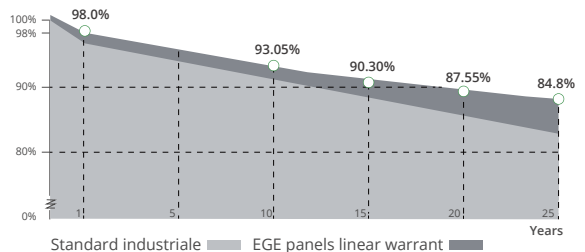
Lower temperature coefficient



Less Hot Spot Shading effects

## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty 25 Year Linear Power Warranty



**21.27%**

Maximum Efficiency

**0~+5W**

Positive Power Tolerance

**500W**

Maximum Power Output

**GRADE A**

Cells Guaranteed



# EGE HOME

Atlas Home Kit

Atlas Urban Kit

EGE Residential PV Carport



# ATLAS HOME KIT



410W full black panels  
Fix well on walls, gardens, and balconies



**Built to Last:**  
Corrosion-resistant anodized aluminum frame for year-round durability.



**Unyielding Strength:**  
2mm thick main frame withstands powerful winds up to 2400pa.



**Plug & Play Perfection:**  
Effortless installation with no tools required.



**Maximum Sunlight Harvesting:**  
Adjustable tilt\* angle for optimal efficiency in every season and at every location\*



**Premium Micro Inverter:**  
Integration of top 5 brands for exceptional performance.

## Parameters for Atlas Home Kit

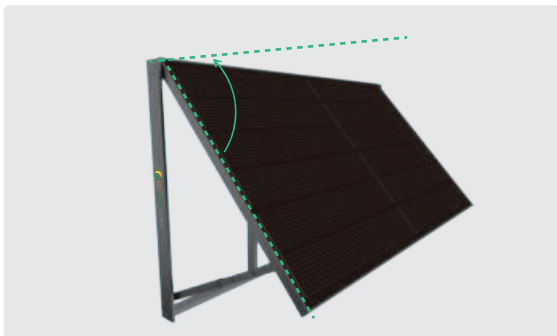
Width	Length	Weight*
1.13M	1.79M	36KG

\*Weight: Essential Kit

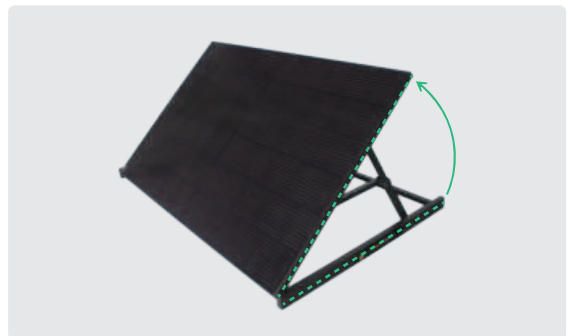
## The adjustment angle of your ATLAS HOME KIT

We have a wide range of tilt angle adjustment to achieve optimal efficiency, allowing us to achieve maximum sunlight harvesting in each season.

Tilt Angle : **48°-55°-63°**



Tilt Angle : **27°-35°-42°**



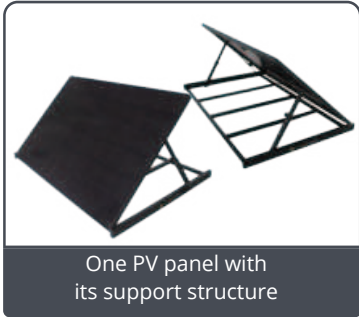


## Monitor your electrical production data, anytime, anywhere ...

- AC power, voltage, current.
- Daily and total energy
- Keep track of your electrical energy generation with the monthly energy chart

### Four accessory packages

#### Essential Kit:



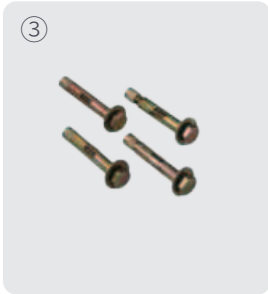
#### Four selectable Items:



2 compressible ballast water tanks + 1 ballast plate



Balcony mount fixture set



4 anchor bolts (to fix on concrete, block, brick material)



Outdoor smart plug with APP



# ATLAS URBAN KIT

The Eco Green Energy 410W Atlas Urban Kit is a Convenient installation photovoltaic station that allows you to use solar energy for your own benefit and reduce your electricity bill. The Atlas Urban Kit comes with sturdy and durable accessories that perfectly fix well on walls, balcony and fence. And it can be disassembled and reinstalled repeatedly. The Atlas Urban Kit is performant and you can check it out with its connected mobile application for real time data monitoring and traceability.



## ■ Appropriate balcony parameters

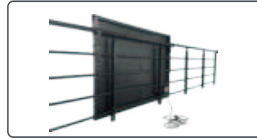
Tilt Angle: **0°**



Tilt Angle: **48°-55°-63°**



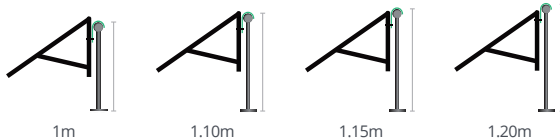
Rear side:



Rear side:



## ■ Schematic diagram of suitable balcony height:



1. Compatible with various balcony handrail height.
2. Enabling tilt angle adjustment AND 0° position in one structure.
3. Compatible with ALL balcony guardrails in compliance with the standard NF P01-012.

## ■ Suitable for most balcony railings



## ■ Parameters for Atlas Urban Kit

Width	Length	Weight*
1.154M	1.724M	29KG

\*Weight: Essential Kit



# EGE RESIDENTIAL PV CARPORT

## Advantages of EGE residential PV carport?



### Adjustable:

Tilt angle selection,  
Initial tilt angle selection: 5° / 10° / 15°



### Energy-saving measure:

Water proof collection



### Easy assembly:

No machinery, simple operations,  
Solar panel fixing from below



### Durable:

Black Anodized aluminum alloy,  
Stainless steel fasteners



## Parameters for EGE residential PV carport?

Size	Width*	Length*	Weight**
PV carport - single	3m	4m	425kg
PV carport - double	5.2m	4m	620kg

\*Dimensions between columns

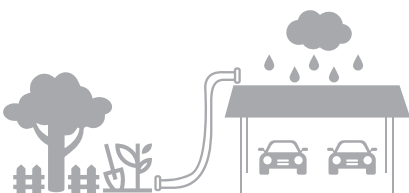
\*\*Monofacial single glass PV modules

## Optional accessories

### Rain water management

Water tight design

- Gutter included
- Optional watertank



## 2 size options

PV carports Atlas 4.5kW and 7.5kW use Atlas 500W PV modules Eco Green Energy brand in version

- monofacial EGE-500W-132M(M10)-FB
- bifacial EGE-500W-132M(GM10)-FB

### PV CARPORT - SINGLE



9 PV modules Atlas 500W  
Nominal power\* = 4.5kWc

### PV CARPORT - DOUBLE



15 PV modules Atlas 500W  
Nominal power\* = 7.5kWc

\* Electrical power production at STC conditions.  
Refer to the PV module datasheet for further information.



# ENERGY SOLUTION

Energy Storage

Energy Management

Solar Structures Series

# ENERGY STORAGE



## Lead Replacement LiFePO4 Battery

- Non-toxic, environmentally friendly module;
- BMS with over-discharge, over-charge, over-current, and high/low temperature protection;
- Safe performance and long cycle life;
- Small size and light weight, easy to instal and maintain.



## Lead Acid battery (Gel)

- Environmentally friendly;
- Long cycle life;
- High reliability and good quality;
- High power density.



## Lead Acid battery (OPzV)

- >20 years floating design life;
- Good performance at extreme operation conditions;
- Minimum maintance .



## LiFePO4 battery (Stackable)

- Easy installation;
- >6,000 charge/discharge cycles;
- High inverters compatibility;
- Possibility for parallel connection.



## LiFePO4 Battery (Rack)

- Long cycle life >6000 cycles;
- Simple assembly in series or parallel up to 8S8P;
- Support low and high voltage inverters;
- Dual hardware & Triple software protection.



## LiFePO4 battery (Wall mounted/Stand)

- Reliable LFP cells;
- Easy installation and high inverters compatibility;
- >6,000 cycles at 90% DOD;
- Scalable up to 20-40kW(4 Parallel).



# ENERGY MANAGEMENT

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## Solar charge controller

- MPPT tracking efficiency of up to 99.9% ;
- Circuit's energy conversion efficiency to up to 98% ;
- Features a limited current charging mode ;
- Has temperature compensation function.



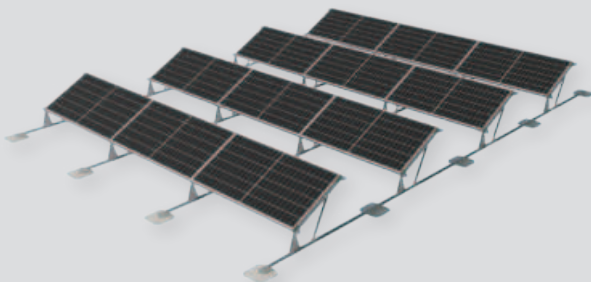
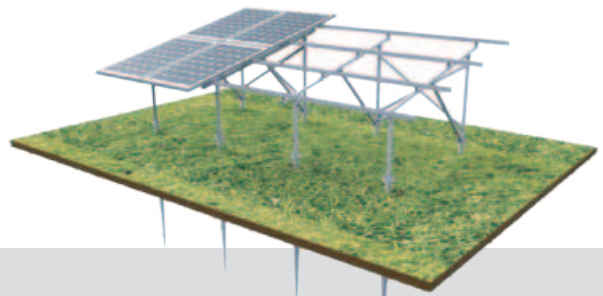
## Inverter

- Full range of solutions (micro inverters, off-grid, on-grid, hybrid);
- Long warranty and strong after sales support;
- Full certification.

# SOLAR INSTALLATION SERIES

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- GROUND/ROOF/TRACKER
- Quick Installation
- High safety
- Professional customized design



# PROJECTS

 Utility Projects

 Commercial & Industrial Projects

 Residential Projects





20MW PV Power Station Project

 North Macedonia



8MW Commercial & Industrial project

 U.S Virgin Islands



5.5MW Utility Scale Project

 Macedonia



1MW Industrial Roof Project

📍 China



750kW Renewable Energy Community project

📍 Italy



700kW Industrial Roof Project

📍 Macedonia



640kW Commercial & Industrial project

 Bulgaria




295kW PV Power Station Project

 Morocco



200kW Agriculture Project

 Kazakhstan



100kW Industrial Roof Project

📍 Poland



120kW Industrial Project

📍 Bulgaria



8kW Home Photovoltaic Project

📍 Poland



# COMPANY QUALIFICATION

Certifications

Partners

# CERTIFICATIONS



USA UL



EU TUV



China CQC



Mexico FIDE



TUV Dust & Sand



TUV SALT MIST



TUV Ammonia



Columbia RETIE



ISO 9001:2015



ISO 14001  
ISO 45001



EMC



Fire proof



EU CE



EU CB SCHEME



Brazil INMETRO



Germany TUV



VDE



Morocco



International  
Environmental Protection



Intellectual property  
management system



National high-tech  
enterprise



China Photovoltaic  
Industry Association



CCI FAEANCE CHINA



Chile SEC



# PARTNERS





# CONTACT

ECO GREEN ENERGY offers global service with 24/7h availability, swift response, technical support, and a multilingual team. Please feel free to contact us any time.

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