



Deliver the Sunshine to a Better Life

Econess Energy Co., Ltd.

01

Econess Energy Overview

02

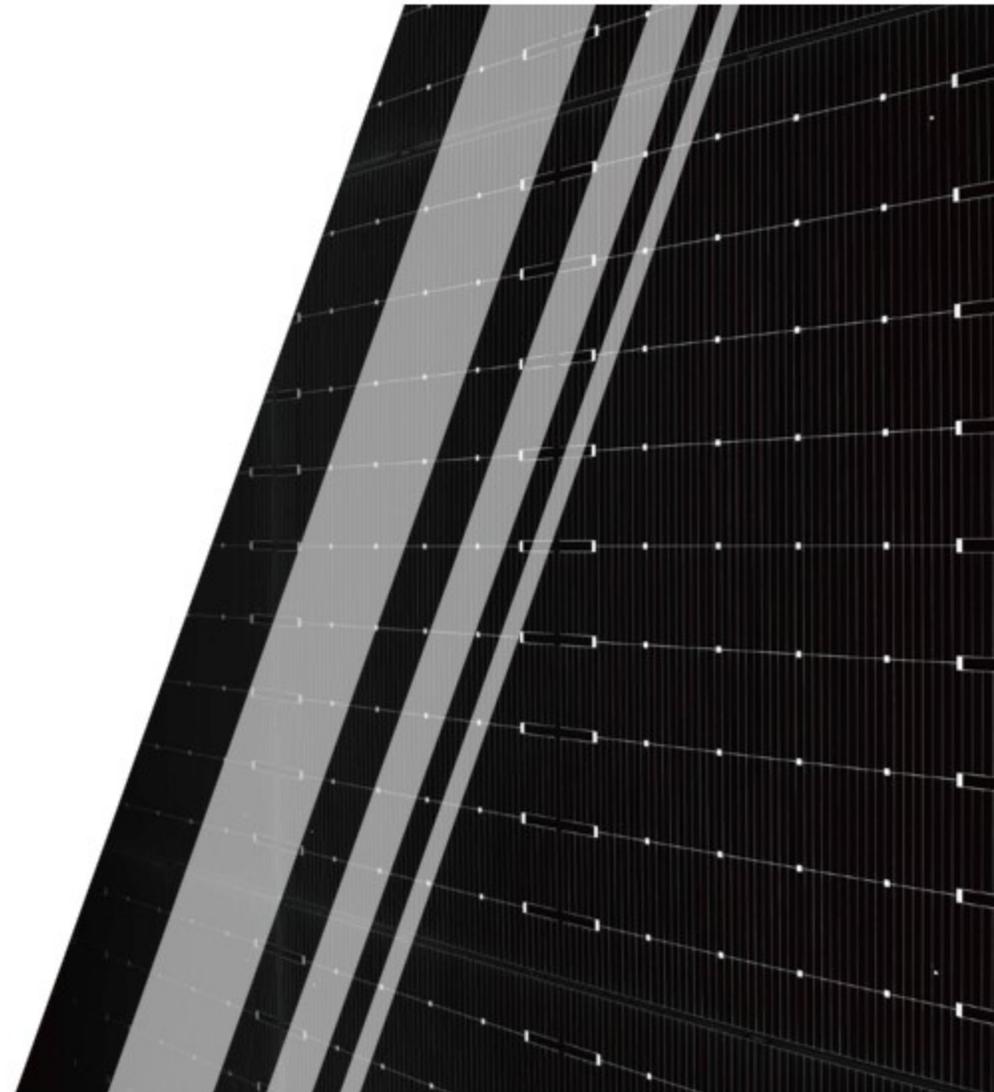
Global Presence

03

Products, Technology & Quality

04

Experienced Project Developer / EPC



01

Econess Energy

Brief Introduction

OVERVIEW



FOUR BUSINESS SECTORS



Solar
Module



EPC
Service



Project
Development

OVERVIEW

- ✓ Established in 2009
- ✓ Provincial New & High Tech. Enterprise
- ✓ fully automatic production lines from Italy, Germany, Japan
- ✓ Annual production capacity: 12 GW modules
- ✓ Distributes PV products to over the world, such as Germany, Spain, Italy, France, India, Japan ect
- ✓ High efficiency modules been awarded China Photovoltaic “Top Runner”

250M USD
Assets

12GW
Module Capacity

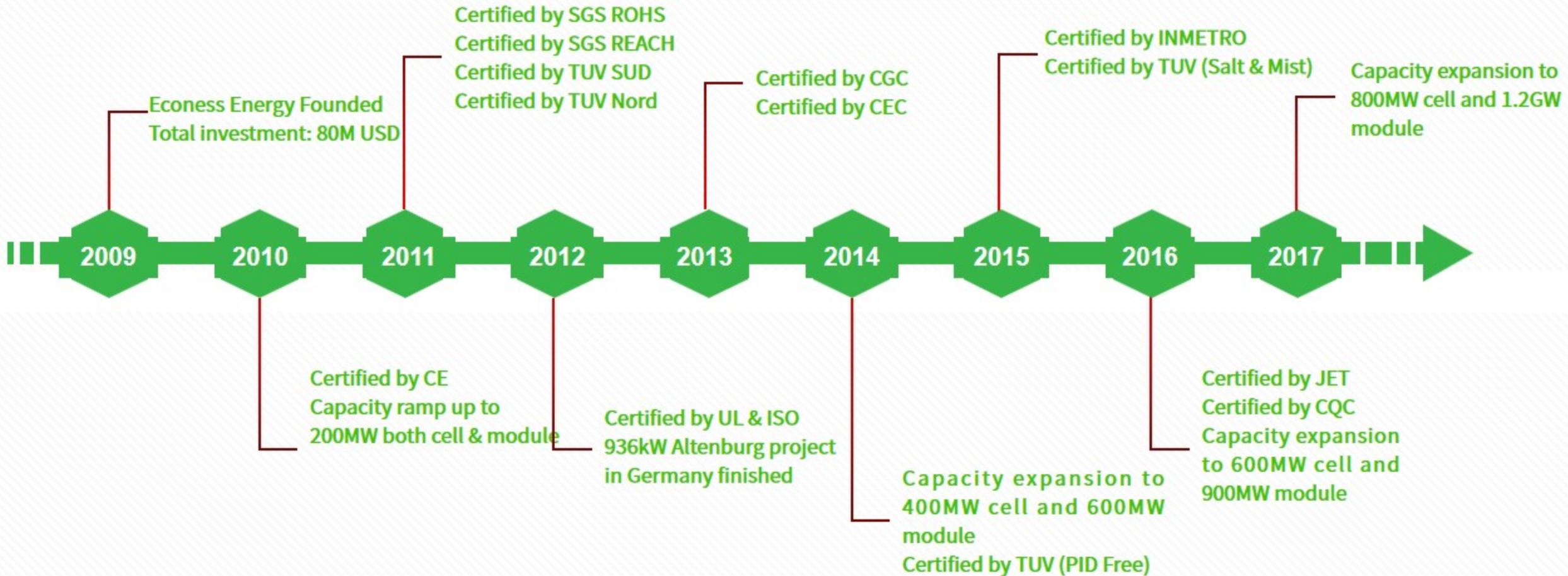
8GW
Shipment (2025)

1,180
Employees

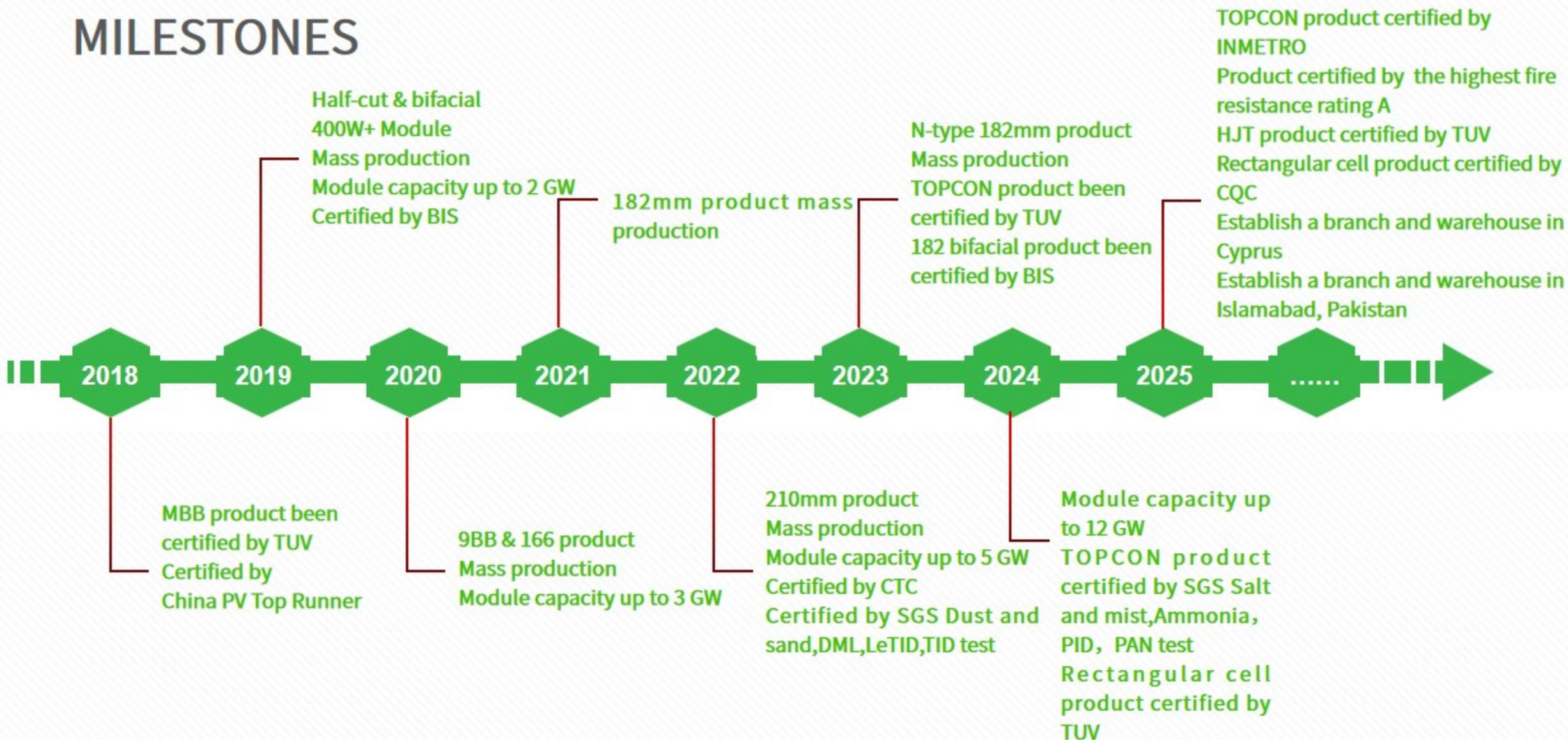
47 GW
Cumulative shipment



MILESTONES



MILESTONES



MANUFACTURING FACILITY(Jiangyin, Yangzhou)

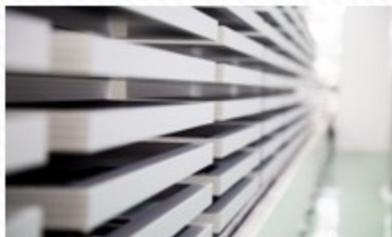
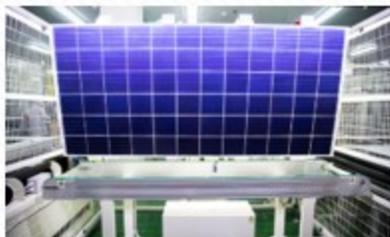
Fully Automatic Production Lines

Module Capacity **12 GW**

Econess Energy Co., Ltd.

No. 58 Haida Road, Huashi, Jiangyin, Jiangsu, P.R. China

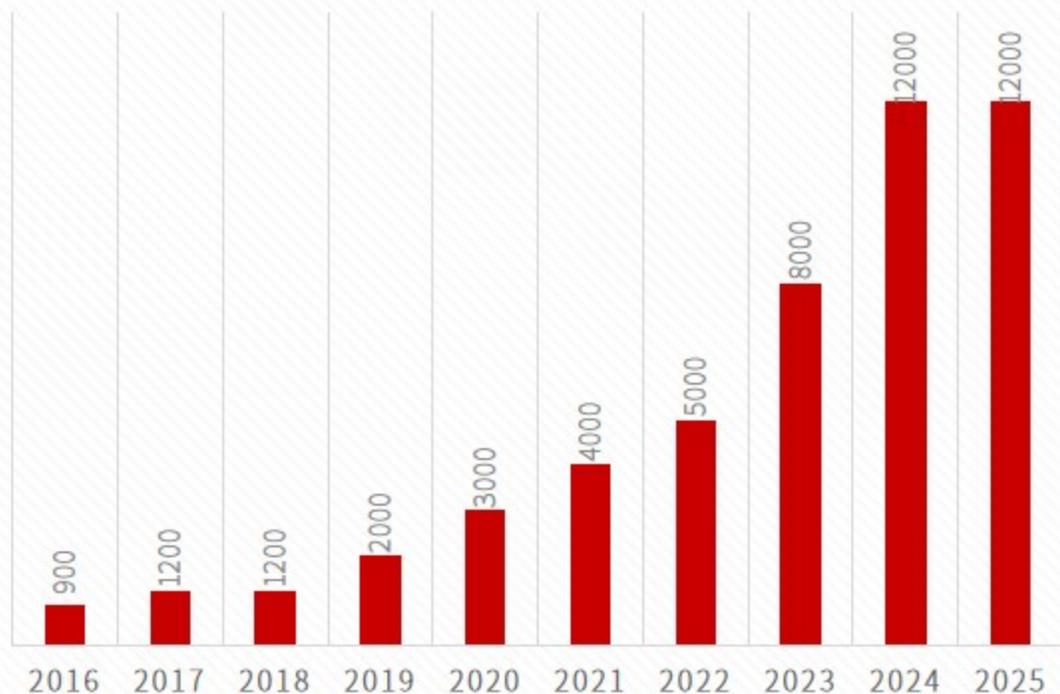
No.118 Jingang Road, Hanjiang, Yangzhou, Jiangsu, P.R. China



HISTORICAL DATA & FORECAST

ANNUAL PRODUCTION CAPACITY (MW)

■ module capacity



ANNUAL SHIPMENT (MW)

■ 2020 ■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025





Global Presence

Footprints of Globalization

GLOBAL PRESENCE

Worldwide Offices



GLOBAL PRESENCE

Local Warehouses



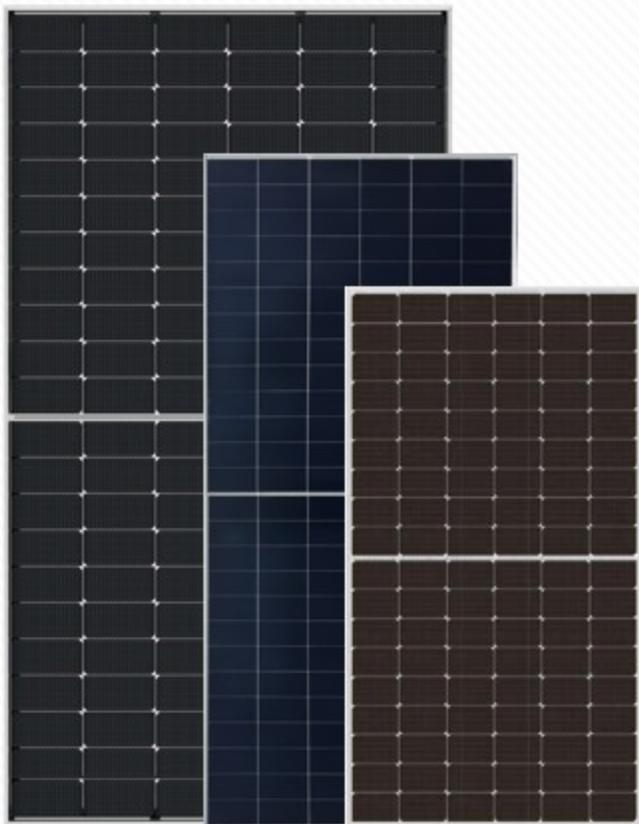
03

Technology, Products & Quality

Econess Energy Core Advantage

N-type MONOCRYSTALLINE PRODUCTS

N-type MONO MODULE-182



EN182/93RN-108D Series 450-475W

EN182/94RN-108D Series 450-475W

EN182/95.8RN-144D Series 620-645W

EN182/105RN-96D Series 450-475W

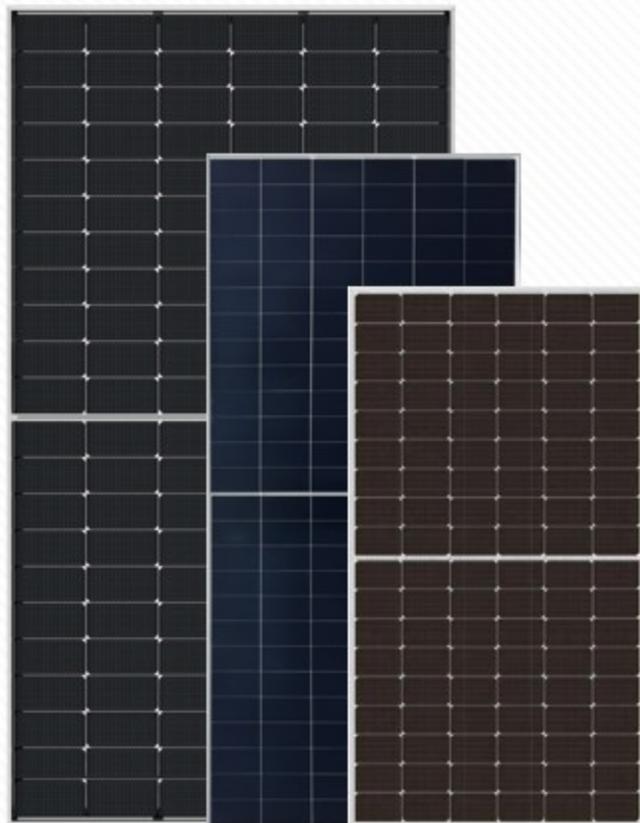
EN182/105RN-108D Series 500-525W

EN182/105RN-132D Series 625-650W

EN182/105RN-132 Series 625-650W

N-type MONOCRYSTALLINE PRODUCTS

N-type MONO MODULE-182



EN182N-108D Series 440-465W

EN182N-120D Series 490-515W

EN182N-144D Series 590-515W

EN182N-156D Series 640-665W

EN182B-156D Series 675-700W

EN182N-48 Series 195-220W

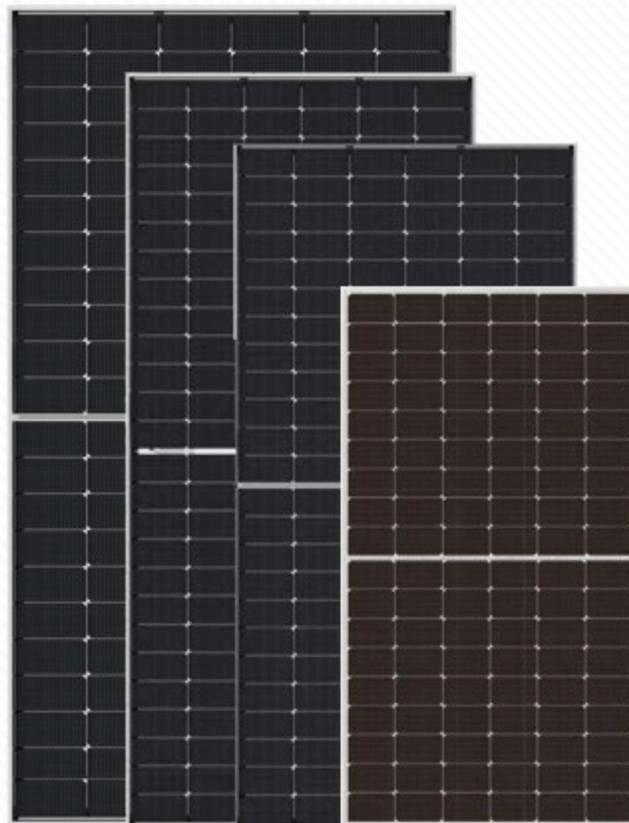
EN182N-108 Series 445-470W

EN182N-120 Series 490-515W

EN182N-144 Series 590-615W

EN182N-156 Series 635-660W

N-type MONOCRYSTALLINE PRODUCTS



N-type MONO MODULE-210

EN210/91RN-156D Series 735-760W

EN210N-110D Series 585-610W

EN210N-120D Series 640-665W

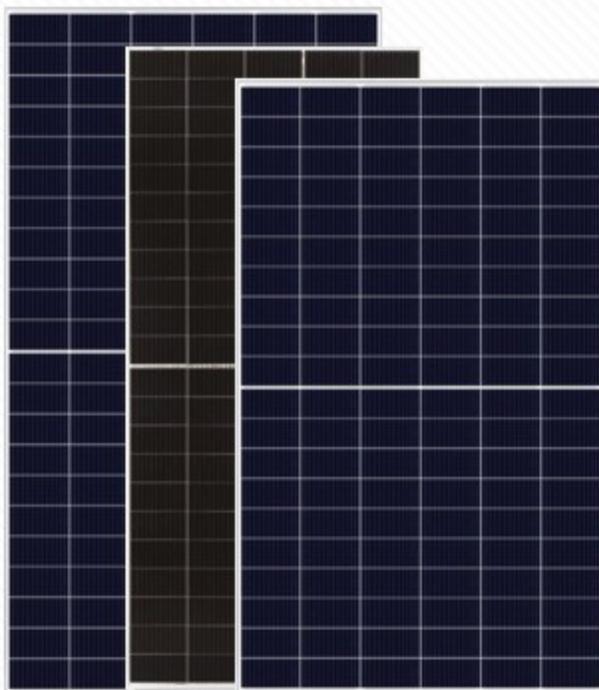
EN210N-132D Series 705-730W

EN210N-144D Series 770-790W

EN210H-132D Series 745-770W

EN210N-132 Series 710-735W

P-type MONOCRYSTALLINE PRODUCTS



MONO MODULE-210

EN210M-110 Series 535-555W

EN210M-120 Series 590-610W

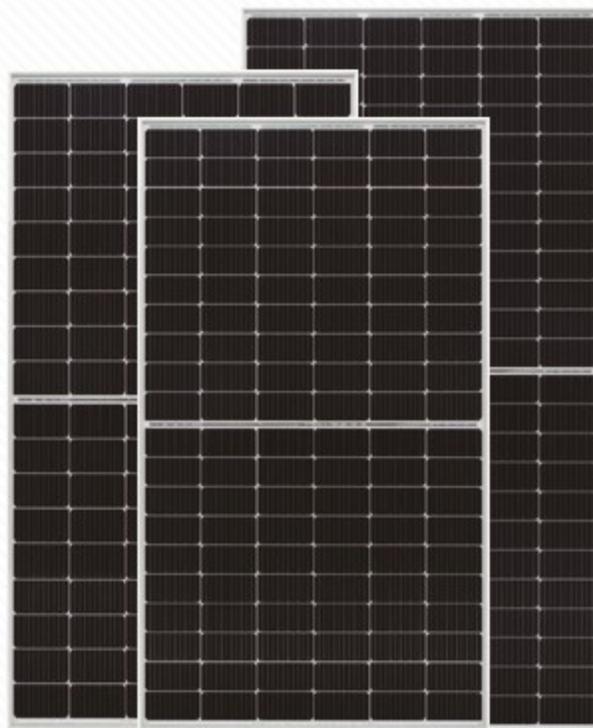
EN210M-132 Series 650-670W

EN210M-110D Series 535-555W

EN210M-120D Series 590-610W

EN210M-132D Series 650-670W

P-type MONOCRYSTALLINE PRODUCTS



MONO MODULE-182

EN182M-108 Series 400-420W

EN182M-120 Series 440-460W

EN182M-144 Series 535-555W

EN182M-156 Series 580-600W

EN182M-108D Series 395-415W

EN182M-144D Series 535-555W

EN182M-156D Series 575-590W

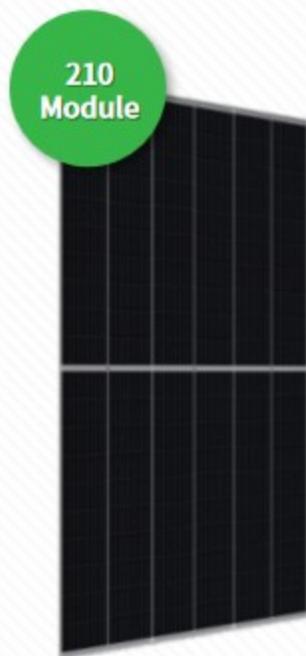
INNOVATIVE PRODUCTS

For Diversified Demand



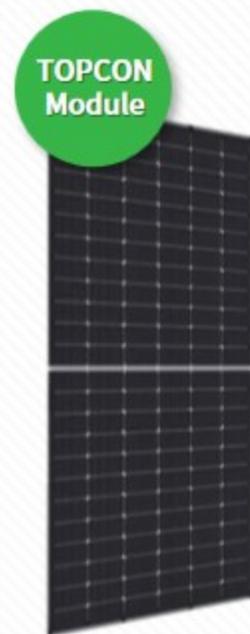
182
Module

Mass production
In Q1 2021



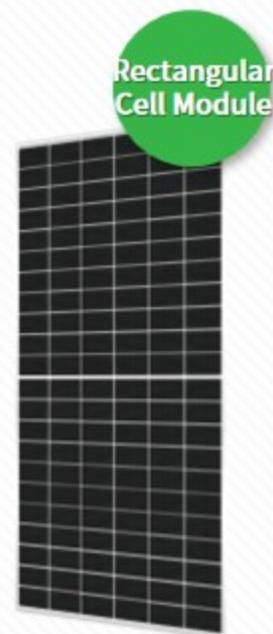
210
Module

Mass production
In Q4 2021



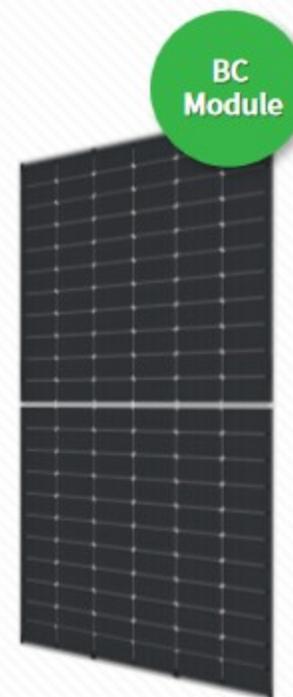
TOPCON
Module

Mass production
In Q1 2023



Rectangular
Cell Module

Mass production
In Q1 2024



BC
Module

Mass production
In Q1 2025



More

In R&D

STRINGENT QUALITY CONTROL

Material Control

Stringent Supplier Management

Material Filtration and Sorting

Spot Check Every Feedstock Batch

Proper Storage

Supplier Quality Engineering

Production Control

150+ Quality Check Points

100% 2 Times EL Tests

In-process Quality Control

Post Production

Monthly Quality Monitoring Test

Quarterly Quality Monitoring Test

STANDARDS & CERTIFICATES

System Certificates

ISO 9001: 2015 Quality Management System

ISO 14001: 2015 Environment Management System

ISO 45001: 2018 Occupational Health and Safety Management System

International Testing Standards

IEC 61215 & IEC 61730, UL 1703 & UL 790 & CEC

CE conformity, MCS (EN45011), REACH Compliance

Product Certificates



CEC
Approved



TUV Nord
TUV Nord PID Test
TUV Nord Salt Mist Corrosion Test
TUV Nord Ammonia Corrosion Test



PRODUCT WARRANTY & INSURANCE

15
YEARS

WORKMANSHIP WARRANTY

Econess Energy guarantees that defects will not appear in materials and workmanship defined by IEC61215, IEC61730 or UL1703 under normal installation, use and maintenance as specified in Econess Energy's installation manual for 15 years from the warranty starting date.

25
YEARS

PERFORMANCE WARRANTY

Single glass module:

Monocrystalline: 1st year >98%, end of 25th year >84.8%

Polycrystalline: 1st year >97.5%, end of 25th year >80.7%

N-type Monocrystalline: 1st year >99%, end of 25th year >89.4%

30
YEARS

Bifacial dual glass module:

Monocrystalline: 1st year >98%, end of 30th year >84.95%

Polycrystalline: 1st year >97.5%, end of 30th year >83%

N-type Monocrystalline: 1st year >99%, end of 30th year >87.4%

Munich RE 

BACKED BY INVESTMENT GRADE INSURANCE

- ✓ Coverage starts immediately and lasts for 25 years
- ✓ Covers worldwide modules sales to any countries
- ✓ The policy is non-cancelable and allows third party bankruptcy rights (satisfying banker requirements)

04

Worldwide Projects

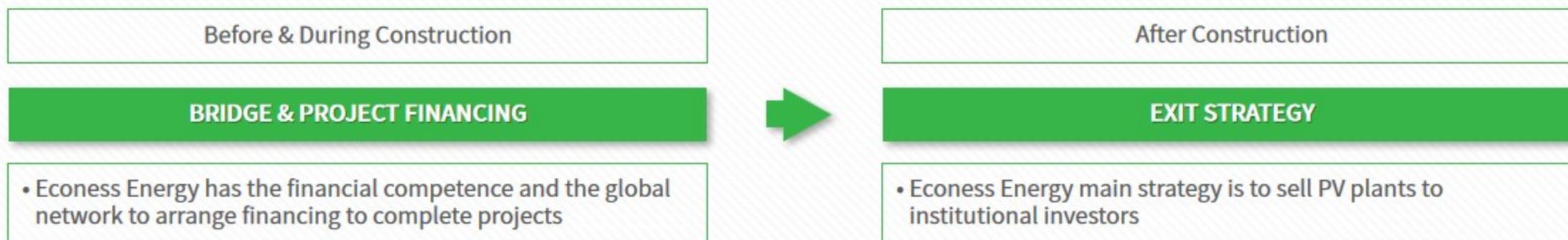
Experienced Project Developer / EPC

DOWNSTREAM STRATEGY

Business Model



Construction Phase





25_{MW}

North Capton, S.Africa



50_{MW}

Tamil Nadu, India



15_{MW}
Laos



20_{MW}

Kohmare, Iran



15_{MW}
khaf , Iran





14 MW
France

ECONESS
ENERGY

12 MW
Germany





11_{MW}
Adsiz, Turkey



70_{MW}
Yanan, China
Poverty Alleviation Project



70_{MW}

Jinzhai, Anhui, China



40_{MW}

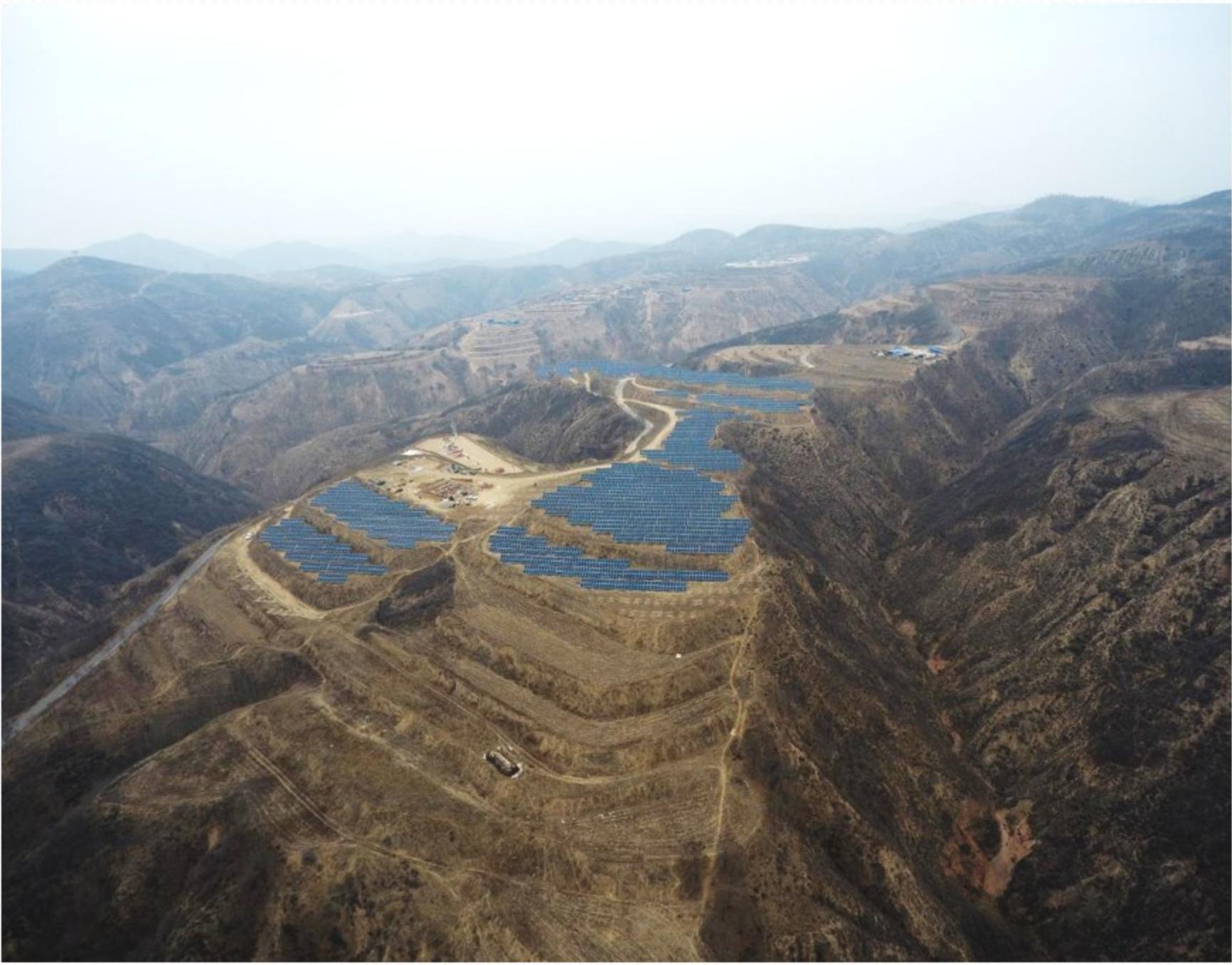
Jinzhai, Anhui, China



15_{MW}

Yanan, China

Poverty Alleviation Project



14_{MW}

Ansai, Yanan, China

Poverty Alleviation Project



10_{MW}

Yuncheng, Shandong, China



15_{MW}

Gaotang, Shandong, China



12_{MW}

Suizhou, Hubei, China

A close-up photograph of a dandelion seed head in its white, fluffy stage. Several seeds are shown in mid-air, having been blown away from the main head. The background is a clear, bright blue sky. In the foreground, some green blades of grass are visible, slightly out of focus.

Econess Energy

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THANK YOU