



BRIMSTONE-ENERGY.UK

TRUST • INTEGRITY • QUALITY



"ALL POWER TO YOU!
PLUGGING
HOMEOWNERS INTO
LOW-COST ENERGY"



Who are we?

**Our business is built on three cornerstone values:
Trust, Integrity, Quality.**

Brimstone Energy UK was founded in 2023 by Matt Hilton, who served as an Officer in the Intelligence Corps of the British Army for over 18 years. Matt holds the Values and Standards of the British Army close to his heart, is proud of our Nation and hopeful for our future.

What part did you play in improving the lives of the next generation and our environment? It's a big question and one we've asked ourselves. As a Cambridgeshire Scouts community leader and a mountaineer who spends time in wild places, Matt knows the difference you and I can make. Where we face environmental challenges, we're positive about the solutions at hand. Matt founded Brimstone Energy UK to help customers de-carbonise their homes and navigate the Green Energy Transition.

You can have a warm, comfortable home, whilst keeping your heating bills low. You can generate your own electricity, store it for use when you need it and get paid to balance out the National Grid at peak times.

We shall walk with you on your own de-carbonisation journey, and act as your trusted guide. We are here for the long term, and are building a sustainable company to serve our communities.







Heat like a **CHAMPION**

A new breed of boiler that's redefining home heating, powered by electricity without the cost.

[Find out more ▶](#)



meet the ZEB

THE BRIMSTONE ECO - SYSTEM

Assessment

Our Energy Assessor will visit your home to survey the property. We need to understand how you and your home use energy. We'll design a bespoke energy eco-system that is modular and scalable, ready to meet your needs.

Advice

We'll produce a de-carbonisation roadmap, giving you clear advice on how to make your home more energy efficient. We will provide recommendations for solar PV, battery storage, electrified heating and other energy saving measures.

Installation

Our expert engineers will install your chosen equipment. All our staff are DBS checked and hold industry accreditations. We are proud of the quality of our work and want our customers to share their experiences with friends and neighbours.

Aftercare

All our installations will benefit from a free Energy Performance Certificate, which will validate the improved efficiency of your property. Our work has a life time warranty. We strive to exceed your expectations every step of the way.



Nexa TOPCon N-type

FRONT SIDE

480 - 500W

› Double Glass Bifacial



Module efficiency
Module efficiency up to 23.10 %



Different designs
Black - Silver



Bifacial cell
Extra energy generated from the backside of the cell depending on albedo



Fire rating
Class A



PFAS free
Product free from perfluoroalkyl and polyfluoroalkyl substances



Sustainable product
High percentage of recyclable materials



25 Years

Product Warranty
+5 years for Premium Partners

30 Years

Performance Warranty
Linear Warranty

1% First year degradation
0.38% Annual degradation
88% Power in year 30

Light up your world with Eurener

Eurener's extensive portfolio of certifications and awards is testament to our unwavering commitment to our partners and our deep sense of social and ethical responsibility.



STC
NOCT



STC - Standard Test Conditions:

- Solar irradiance: 1,000 W/m²
- Cell temperature: 25°C
- Air mass coefficient: 1.5

NOCT - Nominal Operating Cell Temperature:

- Irradiance: 800 W/m²
- Air temperature: 20°C (68°F)
- Air mass coefficient: 1.5
- Wind speed: 1 m/s



Nexa TOPCon N-type

FRONT
480-500W

> Double

+23.1% Efficiency
+3.10%

Different designs
Black - Silver

Bifacial cell
Extra energy generated from the
backside of the cell depending
on albedo

Fluorescent
light

Fluorescent
light

Fluorescent
light

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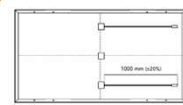
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MoreThanEnergy

eurénor.com

Eurenor MEPV — NEXA Double Glass Bifacial 480-500W



Mechanical Specification	
Solar cells	16 Type Schott monocrystalline silicon cells
Front Glass	2mm anti-reflective surface tempered solar glass
Back Glass	2mm tempered solar glass
Frame	Black anodized aluminum
Junction Box	IP68, 3 bypass diodes
Connector	Original MC4 Evo 2
Cable	1000 mm (±20%) length and 4 core section
Dimension	1950 x 1134 x 30 mm (±1%)
Weight	21 kg (±1%)
Efficiency	22.1%
Packaging	864 pcs/truck

Temperature Coefficients	
Power (W)	-0.545 %/°C
Voc (V)	-0.275 %/°C
Isc (A)	-0.21 %/°C
Efficiency (%)	-0.545 %/°C
Operating temperature	45 ± 2 °C

	MEPV 480		MEPV 490		MEPV 500	
	STC	NOCT	STC	NOCT	STC	NOCT
Nominal power (Pmax)	480 Wp	381 Wp	490 Wp	389 Wp	500 Wp	376 Wp
Open-circuit voltage (Voc)	14.38 V	11.05 V	14.48 V	11.05 V	14.52 V	11.01 V
Short-circuit current (Isc)	42.63 A	40.57 A	42.95 V	41.02 V	43.23 V	41.43 V
Maximum power current (Imp)	13.40 A	10.85 A	13.78 A	11.01 A	13.94 A	11.13 A
Maximum power voltage (Vmp)	35.31 V	33.27 V	35.41 V	33.48 V	35.88 V	33.80 V

	MEPV 480		MEPV 490		MEPV 500	
	STC	NOCT	STC	NOCT	STC	NOCT
Module efficiency	22.18 %	22.43 %	22.43 %	22.51 %	22.51 %	22.51 %
Maximum power (Pmax)	480 Wp	381 Wp	490 Wp	389 Wp	500 Wp	376 Wp
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NOTE: Read the safety and installation manual before using the product. This data sheet is not legally binding. Eurenor reserves the right of final interpretation. Eurenor reserves the right to change the product characteristics and/or specifications without prior notice. The latest versions of all documents can always be found on our website at www.eurenor.com.

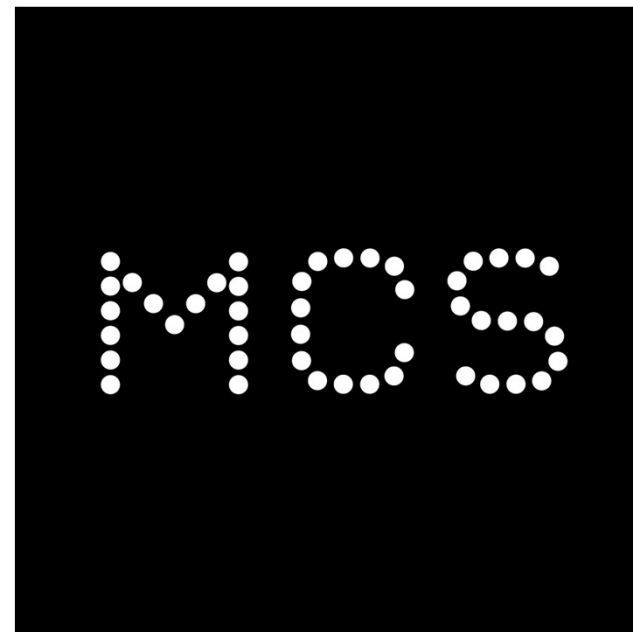
European Experts in Residential modules
Since 1997 our main purpose has been to supply quality and long-lasting photovoltaic modules that allow us and future generations, to continue generating clean energy to take care of our planet.

A. Installation data		
Installed capacity of PV system – kWp (stc)	5.16	kWp
Orientation of the PV system – degrees from South	See individual inputs	
Inclination of system – degrees from horizontal	See individual inputs	
Postcode region	12	
B. Performance calculations		
kWh/kWp (Kk)	See individual inputs	
Shade factor (SF)	See individual inputs	
Estimated output (kWp x Kk x SF)	4037	kWh
C. Estimated PV self-consumption – PV Only		
Assumed occupancy archetype	home all day	
Assumed annual electricity consumption, kWh	3500	kWh
Assumed annual electricity generation from solar PV system, kWh	4037	kWh
Expected solar PV self-consumption (PV Only)	1170.73	kWh
Grid electricity independence / Self-sufficiency (PV Only)	33.45	%
D. Estimated PV self-consumption – with EESS		
Assumed usable capacity of electrical energy storage device, which is used for self-consumption, kWh	9.5	kWh
Expected solar PV self-consumption (with EESS)	2825.9	kWh
Grid electricity independence / Self-sufficiency (with EESS)	80.74	%

Important Note: The performance of solar PV systems is impossible to predict with certainty due to the variability in the amount of solar radiation (sunlight) from location to location and from year to year. This estimate is based upon the standard MCS procedure is given as guidance only for the first year of generation. It should not be considered as a guarantee of performance.

The solar PV self-consumption has been calculated in accordance with the most relevant methodology for your system. There are a number of external factors that can have a significant effect on the amount of energy that is self-consumed so this figure should not be considered as a guarantee of the amount of energy that will be self-consumed

Shading will be present on your system that will reduce its output to the factor stated. This factor was calculated using the MCS shading methodology and we believe that this will yield results within 10% of the actual energy estimate stated for most systems.



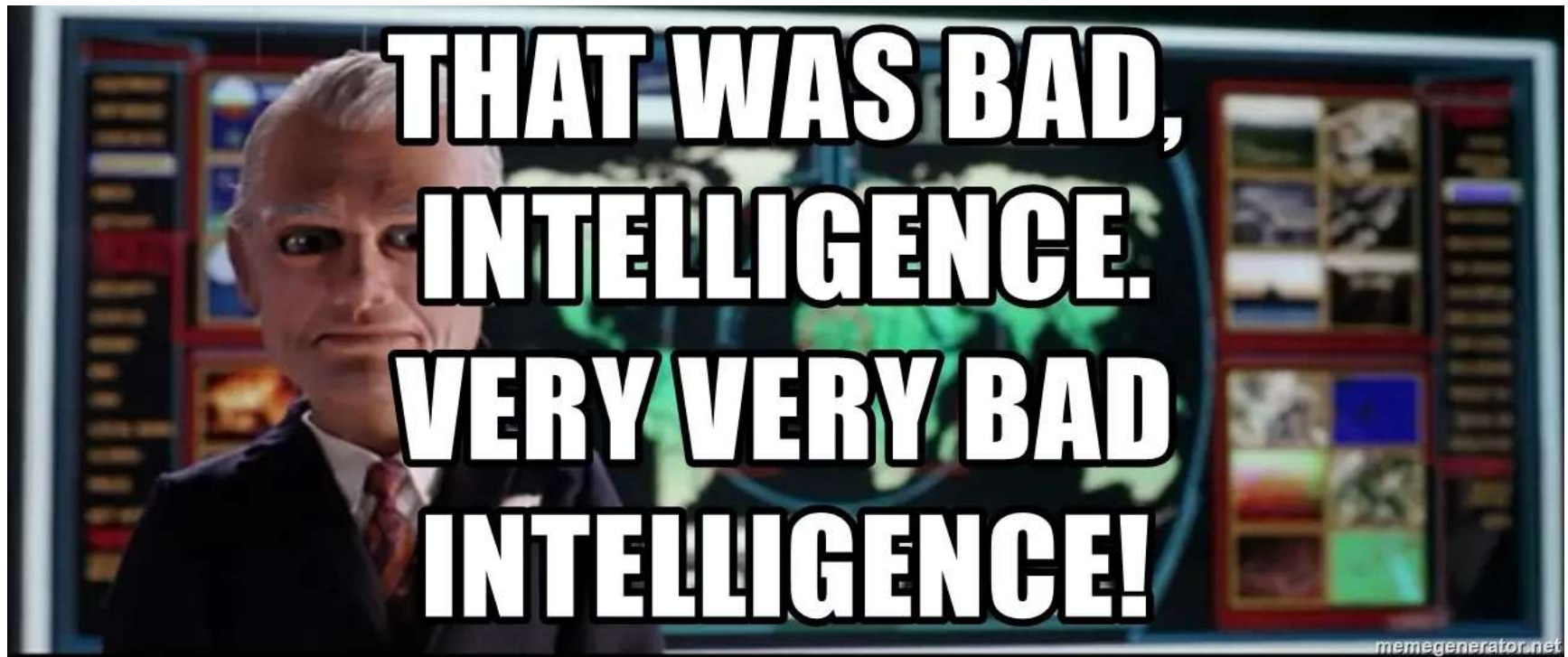
CERTIFIED





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NEWS

UK's flying insects have declined by 60% in 20 years

By James Ashworth
First published 6 May 2022



The UK's insect population has fallen sharply as the invertebrates are affected by rising temperatures and fragmented habitats.

While the declines are dramatic, small changes to our homes and gardens can play a significant part in bringing them under control.

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