



AES SOLAR



AES SOLAR THE 2.5 KWP SOLAR PV FULL SYSTEM KIT

This kit comprises of everything you need to install a 2.5 kWp solar system. 10 AES 250W panels, an inverter, full mounting system and installation instructions. Multiple mounting methods and grid applications are available.

The AES 2.5kWp PV kit is a completely carefree package.

Everything you need in one place.

Contents

- ✓ 250W AES Solar Panel x10
- ✓ Inverter x 1
- ✓ All Fixings
- ✓ Full Install Manual

AES Ltd Established 1979

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Advantages of the AES 2.5 kWp kit:

It couldn't be easier! Everything you need for a full solar system installation in one kit ready to go with full instructions.

All kit components are of the highest quality and adhere to ISO and IEC standards as such they are guaranteed to last for many years to come. Selected to come together and provide the best price to performance ratio without sacrificing aesthetics or ease of installation.

- ✓ Exact current sorting in steps of 0.1 A
- ✓ Optimized weak light behaviour
- ✓ Warranty of 10 years
- ✓ Plate finished aluminium frame and solid edge connectors.
- ✓ Extremely solid yet very light panel

Intelligent frame concept:

- ✓ New 40 mm frame with plastic edge connector
- ✓ Robust structure and optimized weight
- ✓ No sharp edges, flexible and homogeneous design

Electrical Data:

P_{mp} 250W _p	U_{mp} 30.56V	I_{mp} 8.21A	U_{oc} 37.84V	I_{sc} 8.85A	Efficiency* rate 15.12%	Area per kWp 6.61m ²
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*Efficiency guarantee: min. 97 % in the first year, afterwards max. 0.70 % reduction p.a. up to 25 years.

Module Specifications:

Crystalline cells (60) 156mm x 156mm	Connectors MC4 - compatible	Max voltage 1000 V DC	Power tolerance (+/- 2%) STC	Temperature Coefficients P _{mp} = -0,405 %/K U _{oc} = -114 mV/K I _{sc} = +4,1 mA/K	Ambient Temp. + 85°C to - 40°C	Cable length 2 x 1m	Bypass diodes 3 pcs. Tyco SL1515
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Technical Data:

Aluminium Frame 1.67m x 1m x 40mm (+/- 2 mm)	Weight 19.5 kg	Glass spec. Solarglass ESG 3.2 mm	Encapsulation material STRE, Vistasolar	Backside material Isovoltaic	Load test up to 5400 Pa	Hail test 25mm, max 46m/s 55mm, max 33.5m/s
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Experienced

Established 1979, AES was the first manufacturer of solar energy systems in Britain.

Forward Thinking

Prepared, not only to avoid problems but to achieve growth and success through innovation.

Customer Focused

AES is committed to meeting expectations of performance, quality, price & delivery in solar thermal and solar PV systems.

Problem Solvers

We plan ahead, but not everything is predictable. Faced with an issue we like to work it out using good judgment and create a success.