

Evo+10

AS-P30 All Black

Multi-crystalline PV Module



BENEFITS



19% high conversion efficiency
- guarantees power output



Extreme environmental testing
- ensure high performance in all conditions



Strict multi stage thorough testing and inspection during the entire process and production
- maximise electrical output of the module over its lifetime



100% Electro Luminescence double testing
- eliminates potential micro cell crack



Global third party product general liability insurance
- we have you covered



Snow loads capacity of 5400Pa, wind loads capacity of 2400Pa
- our module is tough and durable, built for all weathers

GIVING YOU MORE



100% power output up to 2 years



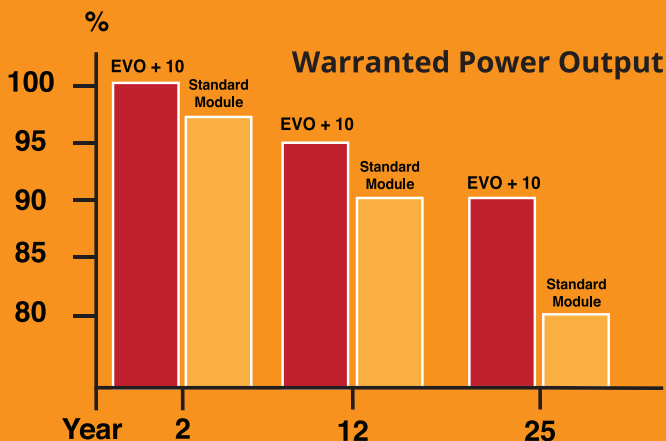
25 year product warranty



UK only design and specification



Guaranteed 3-5% positive tolerance (more than 10 watts)



Electrical Characteristics

Electrical parameters at STC

Nominal Power (P_{max})	250W
Open Circuit Voltage (V_{oc})	38.2V
Short Circuit Current (I_{sc})	8.90A
Voltage at Nominal Power (V_{mp})	30.7V
Current at Nominal Power (I_{mp})	8.47A
Module Efficiency (%)	15.37

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

Electrical parameters at NOCT

Nominal Power (P_{max})	183W
Open Circuit Voltage (V_{oc})	35.2V
Short Circuit Current (I_{sc})	7.21A
Voltage at Nominal Power (V_{mp})	27.9V
Current at Nominal Power (I_{mp})	6.81A

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1 m/s

Mechanical Characteristics

Cell type	Multi-Crystalline 156x156mm
Number of cells	60 (6x10)
Module dimension	1640x992x40mm
Weight	18.5kg
Front cover	3.2mm low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP67, 6 diodes
Cable	4mm ² , 900mm
Connector	MC4 or MC4 compatible
Standard packaging	26pcs/pallet
Module quantity per container	728pcs/40'HQ

Temperature Characteristics

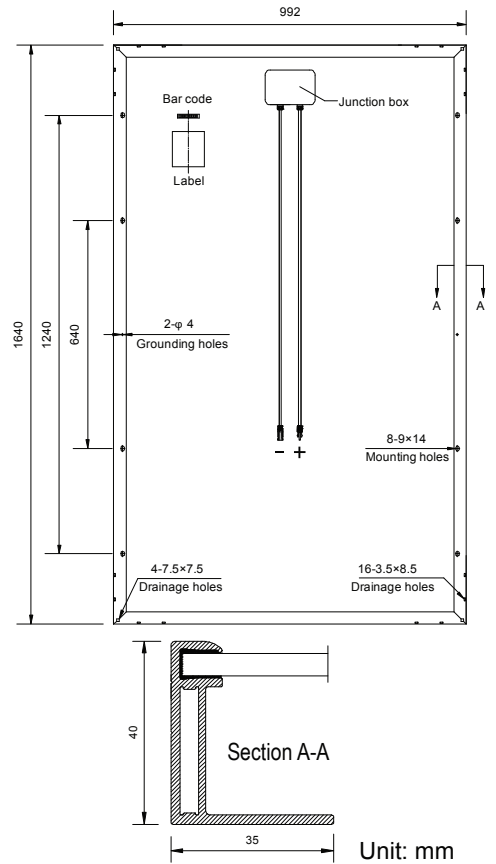
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.43%/°C
Temperature Coefficients of V_{oc}	-0.33%/°C
Temperature Coefficients of I_{sc}	0.056%/°C

Maximum Ratings

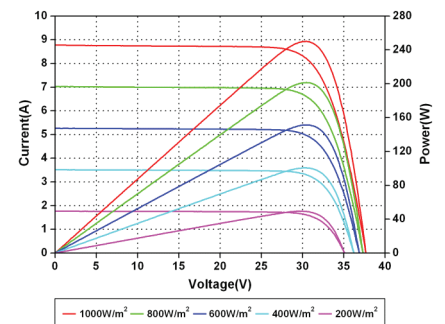
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	15A

Specifications in this datasheet are subject to change without prior notice.

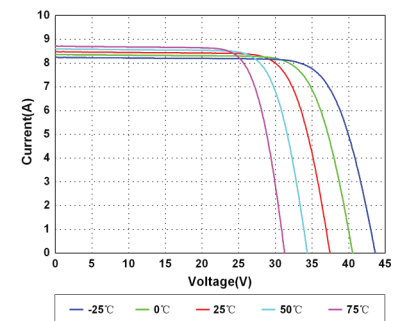
Drawings



I-V Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

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