

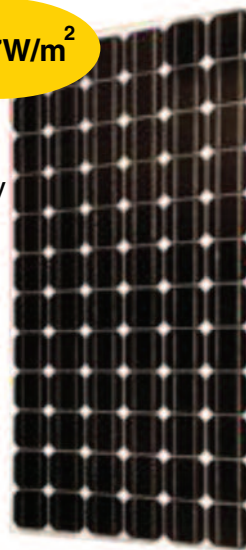


# 200w Monocrystalline PV Black Module

## Technical Specification

### ASUN 200-MB

156.7W/m<sup>2</sup>



FULL QMS

#### Quality Management System

- Raw material and module traceability
- Control of raw material
- Products manufacturing control
- Finished products inspection



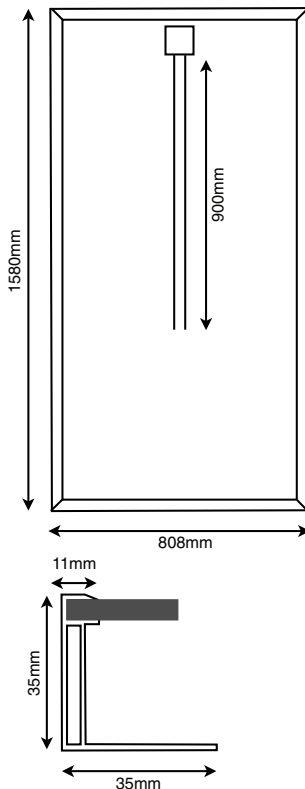
- 100% finished modules flashed
- Flash report provided to customer



- 10-year material warranty
- Power output warranty:  
90% of the power on 10 years  
80% of the power on 25 years



- Error and Omission Insurance (Chubb Group): cover the economic loss sustained due to operational defects or performance failures



#### Frame

Built-in aluminium angle makes the frame stronger and reliable on long-term. Angle is set inside the frame cavity.

#### Back sheet

- Improved aesthetic appearance
- Anti-UV and Anti-Yellowing
- Ultimate moisture barrier
- Proven durability

#### Junction box

- IP65
- Fire resistance
- Excellent electrical insulation of components
- Stability and flexibility over a wide temperature range

#### Electrical Data

Maximum Power (Pmax)	200W
Tolerance	+/- 2%
Maximum Power Voltage (Vpm)	36.4V
Maximum Power Current (Ipm)	5.5A
Open Circuit Voltage (Voc)	45.1V
Short Circuit Current (Isc)	5.90A
Cells efficiency	18.5%
Module efficiency	15.7%
Maximum System Voltage	1000V

STC: irradiation 1000W/m<sup>2</sup>, AM 1,5 and temperature 25°C

#### Performance at 800W/m<sup>2</sup>

Maximum Power Voltage (Vpm)	36.07V
Maximum Power Current (Ipm)	4.4A
NOCT, 800W/m <sup>2</sup> , AM 1,5 and 25°C	

#### Temperature Coefficient

NOCT	45°C +/-2%
Voltage Temperature (Voc)	-0.35%/°C
Current Temperature (Isc)	+0.038 %/°C
Power Temperature (Pm)	- 0.49%/°C

#### Mechanical Data

Number of Cells	72 (3 x 24 series)
Cell Dimension	125*125mm, Ø 165mm
Bypass diodes	3 (12A)
Glass Thickness	3.2mm
Maximum Load	5400Pa
Weight	15.5Kg
Dimensions	1580*808*35mm
Cable length / section	900mm / 4mm <sup>2</sup>
Connectors	MC4 compatible
Operating Temperature	-40°C to +85°C



Certification:

- ✓ MCS
- ✓ IEC61215 & IEC61730

Factory certified

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