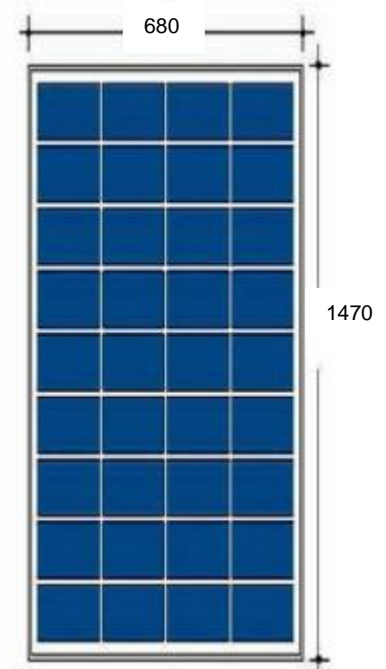


# 130W - Polycrystalline Module



## Module characteristics

- 36 polycrystalline silicon solar cells (156mm x 156mm) which are connected in series and capable of charging 12V batteries
- Heavy duty anodised aluminium frame provides high wind resistance and convenient mounting access
- Cells are laminated between high transmissivity, low iron, 3mm tempered glass and a sheet of TPT material and finally two sheets of EVA to prevent moisture entering the module
- Installation holes for standard bracket systems are provided
- Diodes are installed to prevent "hot spot" effect
- Waterproof versatile junction box provides flexibility of connections
- Modules are manufactured in accordance with IEC 61215, and come with 25 years limited output guarantee



## Electrical characteristics

Typical maximum power (Wp)	130
Open circuit voltage (Voc)	22.0
Optimum operating voltage (Vmp)	17.5
Optimum operating current (Imp)	7.43
Short circuit current (Isc)	8.44

## Standard parameters

Information below represents the output of typical modules in 12V configuration. \*This data is based on measurements made in accordance with Standard Test Conditions (STC) 1000W/m<sup>2</sup>, AM 1.5, cell temperature 25°C

Normal temperature	46±2°C
Current temperature coefficient (Isc)	+0.10%/°C
Voltage temperature coefficient (Voc)	-0.38%/°C
Power temperature coefficient (Wp)	+0.47%/°C
Edge grounding	≤1ohm
Wind resistance	2400Pa
Maximum system voltage	1000V

## Mechanical characteristics

Weight	16.0 kg
Size of module (mm)	1470 x 680 x 50

