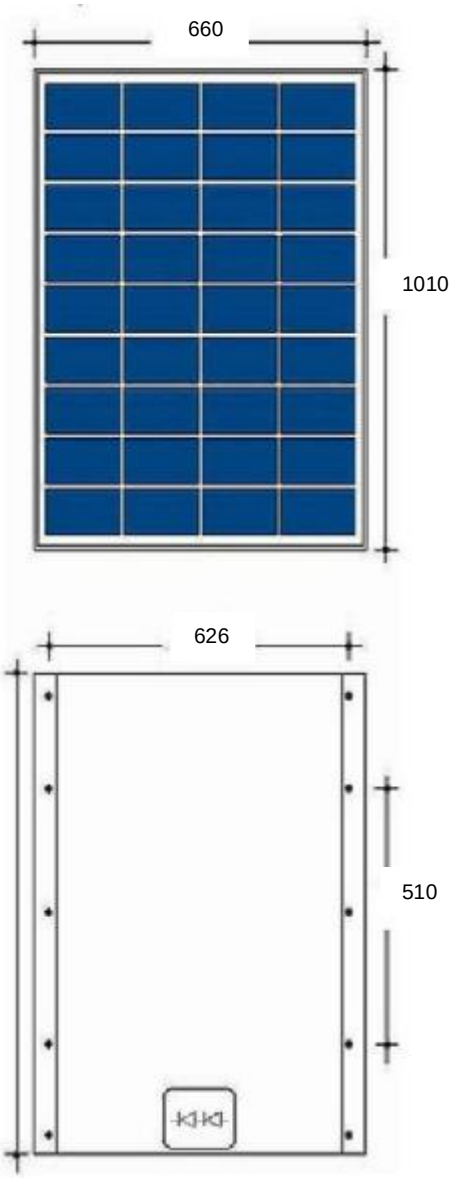
85W - Polycrystalline Module

Module characteristics

- 36 polycrystalline silicon solar cells 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
- 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)	85
Open circuit voltage (Voc)	22.0
Optimum operating voltage (Vmp)	17.5
Optimum operating current (Imp)	4.86
Short circuit current (Isc)	5.60

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^2, AM 1.5, cell temperature 25ºC

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

Mechanical characteristics

Weight	8.4 kg
Size of module (mm)	660 x 1010 x 35