

42 Watt Amorphous Solar Module

EVERLIGHT ELM-42A

FEATURES:

Best Electric Performance in Weak Light, Under weak light conditions, parameters of a-Si solar changing current and Voc are stable, c-Si solar cell's Voc is only half of a-Si solar cell.

Best Power Generation Capacity, Amorphous silicon solar (a-Si) cell has the best weak light performance with comparing to the same power c-Si solar cell, more power generation capacity about 10%~20%.

Especially in rainy areas, the power will be accumulated whole years by a-Si solar cells than mono-crystal silicon and poly-crystal silicon.

It is permanently sealed and protected against the environment and thermal stress.

APPLICATIONS:

- Automatized controls
- Electric powers
- Information and communications
- Lightings
- Household electrical appliances
- Building –Integrated Photovoltaic (BIPV) for roofs and facades
- Other solar applications

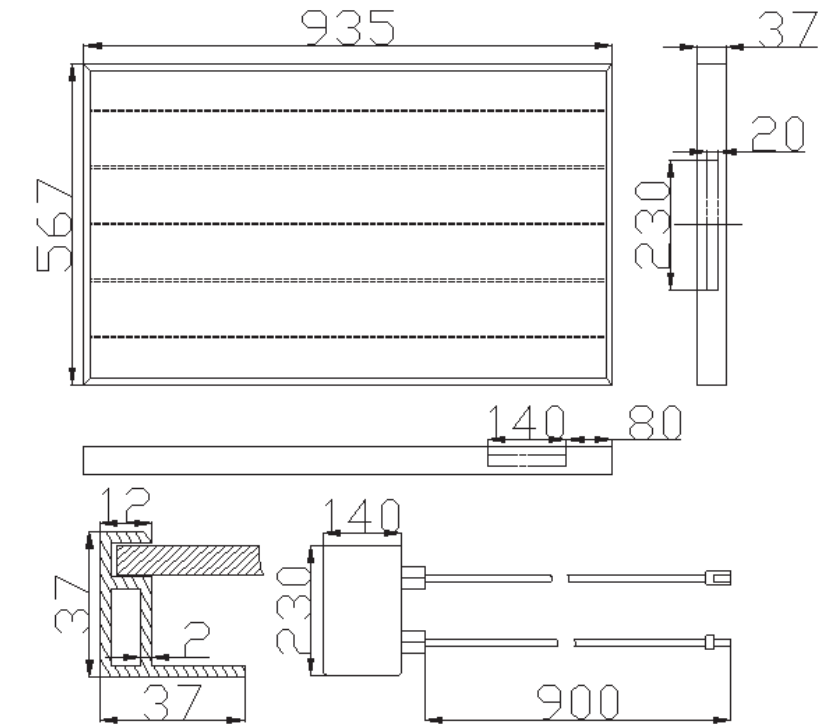
| Typical Electrical Characteristics | |
|------------------------------------|------------|
| Maximum power | 42W |
| Voltage at max. power | 42V |
| Current at max. power | 1.0A |
| Open circuit voltage | 60V |
| Short circuit current | 1.17A |
| Max. oper. voltage | 1000V |
| Operating temperature | -40/+85 °C |
| Mechanical Characteristics | |
| Dimensions(mm) | 935×567×37 |
| Overall tolerances | ±3mm |
| Weight(Kg) | 17.0 |

Test conditions: @STC 1000W/m², AM1.5, 25°C

WARRANTIES:

- Pm is not less than 90% in 10 years and 80% in 20 years
- 2 year product warranty

Module Diagram



Graph

