2.5W Solar Panel 116*160

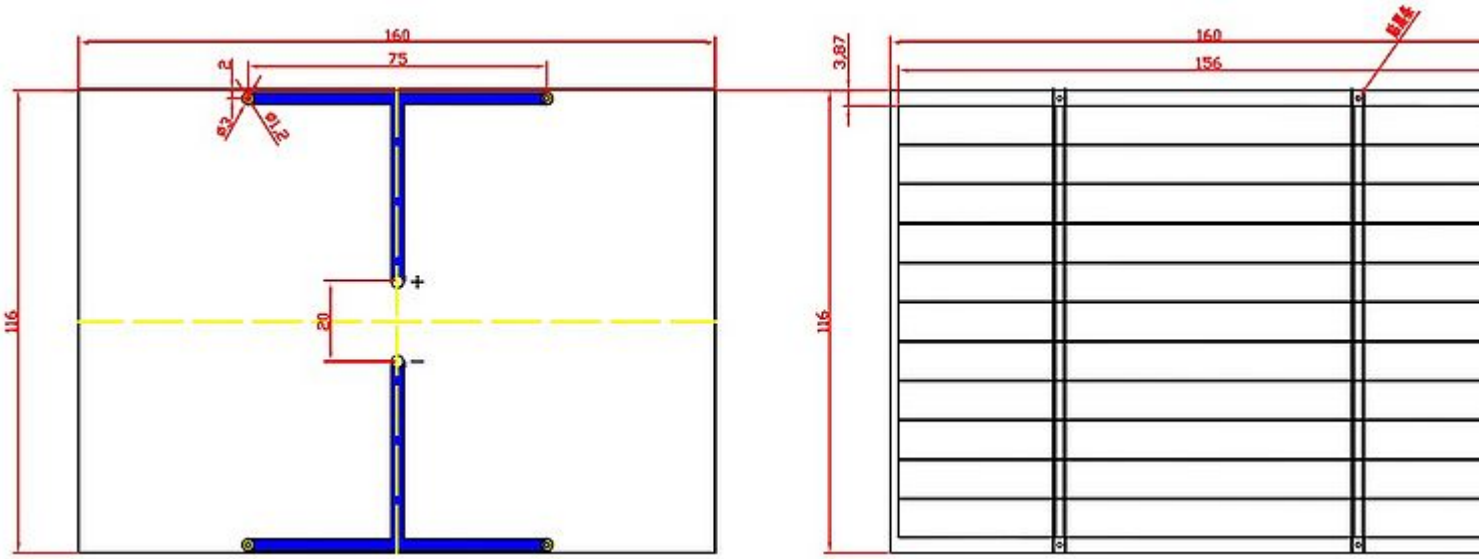
This solar panel is made of single-crystal material that performs high solar energy transformation efficiency at 17%. It has a fine resin surface and sturdy back suitable for outdoor environments. A 2mm JST connecter is attached to the penal, which makes it perfect to team up with most of our can-use-solar-power-supply boards, like Seeeduino microcontroller series, Lipo Rider charging boards seriesand XBee carrier WSN products series.

The typical open circuit voltage is around 5V, depending on light intensity. In those bright summer days with clear sky and big sun, the peak OC voltage can rush up to 10V. To prevent any damage to boards that accept a narrow range of input voltage, like Lipo Rider, it's recommended to check whether the OC voltage is safe before any connection.

Features

- Dimensions: 160x116x2.5(±0.2) mm
- Typical voltage: 5.5V
- Typical current: 450mA
- Open-circuit voltage: 8.2 V
- Maximum load voltage: 6.4V

This is a custom solar panel, which mates directly with many of our development boards and has a high efficiency at 15%. Unit has a clear epoxy coating with hard-board backing. Robust sealing for out door applications!



Specification

- PCB size : 116*160*1.5 mm
- Monolithic : 9.57*156 mm
- Efficiency : 15%
- Voltage:5.5V;
- Current:450mA
- Power:2.5W
- Connector: 2.0mm JST
- Type:156 Two line;

- PCB Material : all Glass fiber
- PCB requirements : positive
- Quality requirements :
    - flatness less than 0.1mm
    - clean, does not allow to have the scratch
    - take off paint the phenomenon, such as a hole does not allow to have the deviation

- **Note** : tolerance Positive and negative 0.1mm
- Name: PET laminated (116*160)
- Arrangement:1*11(series)NO spacing posted artical black;