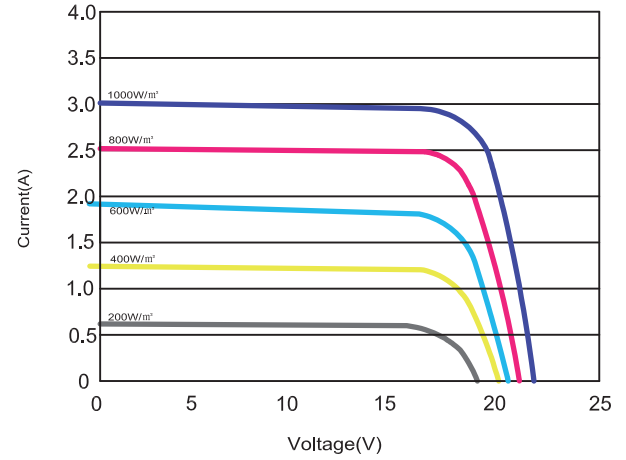
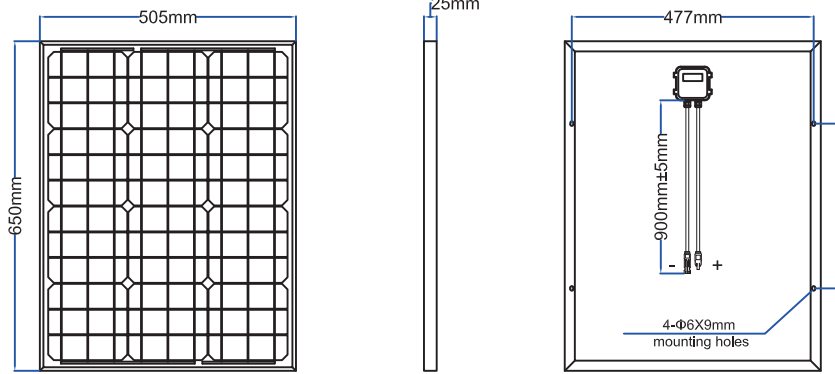


### Characteristics



### Module Diagram



### Electrical Characteristics

| Electrical Characteristics      | MESM-50W    |
|---------------------------------|-------------|
| Product code                    | MESM-50W    |
| Maximum power (Pmax)            | 50W         |
| Voltage at Pmax (Vmp)           | 17.8        |
| Current at Pmax (Imp)           | 2.81        |
| Open-circuit voltage (Voc)      | 22.3        |
| Short-circuit current (Isc)     | 3.03        |
| Power temperature coefficient   | -0.41%/     |
| Voltage temperature coefficient | -0.31%/     |
| Current temperature coefficient | +0.05%/     |
| Cells Efficiency (%)            | 18.43%      |
| The maximum system voltage      | 600VDC(IEC) |
| Output power tolerance          | ±3%         |

### Specifications

| Specifications               | Germany A grade Solarworld solar cell |
|------------------------------|---------------------------------------|
| Cells                        | Germany A grade Solarworld solar cell |
| No. of cells and connections | 36(3X12)                              |
| Module dimension             | 650*505*25mm                          |
| Weight                       | 3.7KG                                 |
| Certification                | CE,RoHS,ISO                           |