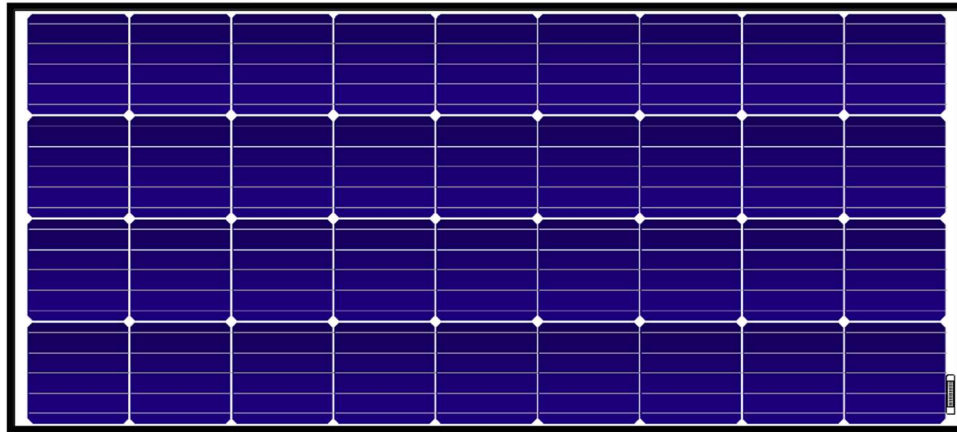


# Thin Frame Panel Series



## Electrical Performance (STC: AM 1.5, 1000W/m<sup>2</sup>, 25°C)

| Module Type                     | ST180M6-36-TFPST | 170M6-36-TFPST | 160M6-36-TFP |
|---------------------------------|------------------|----------------|--------------|
| Maximum Power (Pmax / W)        | 180              | 170            | 160          |
| Power Tolerance                 | 0~+ 3 %          | 0~+ 3 %        | 0~+ 3 %      |
| Maximum Power Voltage (Vm / V)  | 19.5             | 19.1           | 18.6         |
| Maximum Power Current (Im / A)  | 9.24             | 8.91           | 8.61         |
| Open Circuit Voltage (Voc / V)  | 23.4             | 22.9           | 22.4         |
| Short Circuit Current (Isc / A) | 9.65             | 9.34           | 9.05         |
| Module Efficiency (%)           | 18.15            | 17.14          | 16.14        |

## Temperature Properties

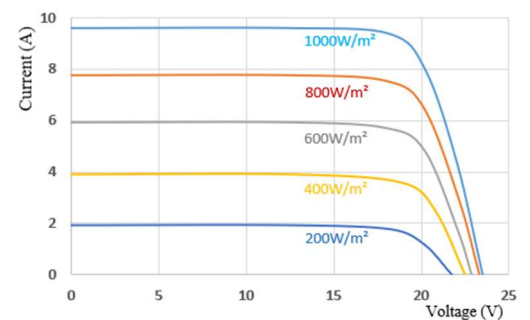
|                                   |           |
|-----------------------------------|-----------|
| Maximum System Voltage (VDC)      | 600       |
| Maximum Series Fuse Rating (A)    | 15        |
| Normal Operating Cell Temperature | -45~+85°C |

## Mechanical Properties

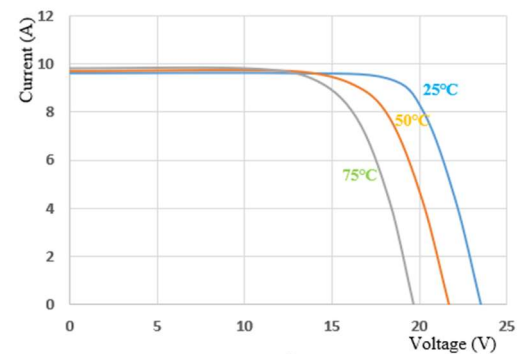
|  |                                   |
|--|-----------------------------------|
| Dimensions (L×W×H / mm)                        | 1480×670×9/20                     |
| Weight (Kg)                                    | 8                                 |
| Solar Cells                                    | Monocrystalline / Polycrystalline |
| No. of Cells(pcs)                              | 36(4×9)                           |
| Sizes of Cells                                 | 156*156                           |
| Junction box                                   | MC 4 connector, IP 67             |
| Sizes of Junction box cable (mm <sup>2</sup> ) | 4mm <sup>2</sup> / 900mm Length   |
| Container 20GP(pcs)                            | 525                               |
| Container 40HC(pcs)                            | 1125                              |



I-V Curves at different irradiances, Temp.cell 25°C



I-V Curves at different cell temperatures, AM1.5, 1000W/m<sup>2</sup>



ST180M6-36

