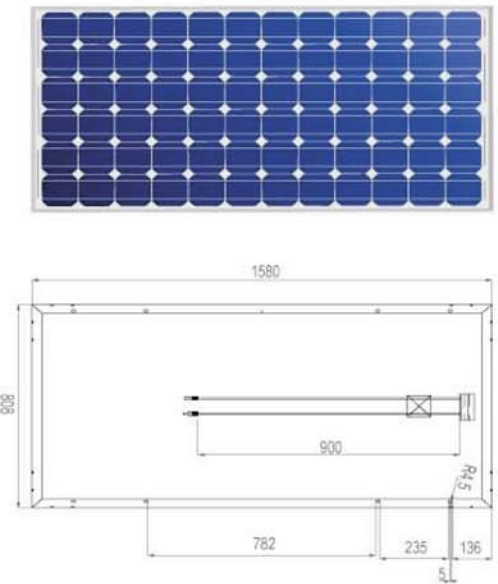


## PHYSICAL CHARACTERISTICS Unit:mm(inch)



## ELECTRICAL CHARACTERISTICS

| Module type                             | Unit | WF160M-01E                           |        |        |        |
|---|------|--------------------------------------|--------|--------|--------|
| Power range                             | W    | 160-190                              |        |        |        |
| Open-circuit voltage (Voc)              | V    | 42.00                                | 42.60  | 43.20  | 43.80  |
| Short-Circuit Current (Isc)             | A    | 5.12                                 | 5.52   | 5.60   | 5.83   |
| Max-power voltage (Vmp)                 | V    | 35.00                                | 35.50  | 36.00  | 36.50  |
| Max-power current (Imp)                 | A    | 4.57                                 | 4.93   | 5.00   | 5.14   |
| Maximum power(Pmax)                     | W    | 160.00                               | 170.00 | 180.00 | 190.00 |
| Cell Efficiency                         | %    | 15.00                                | 16.00  | 17.00  | 18.00  |
| Number, Type and arrangement of Cell    |      | 72pcs Monocrystalline silicon (12*6) |        |        |        |
| Cell size                               | mm   | 125*25                               |        |        |        |
| Power temperature coefficient           | %/°C | -0.48                                |        |        |        |
| Current temperature coefficient         | %/°C | 0.02                                 |        |        |        |
| Voltage temperature coefficient         | %/°C | -0.33                                |        |        |        |
| NOCT-Nominal operating cell temperature | °C   | 50                                   |        |        |        |
| Operating temperature                   | °C   | -40--85                              |        |        |        |
| Max-System Voltage                      | VDC  | 1000                                 |        |        |        |

STC:1000W/m<sup>2</sup> AM1 Sand25°C cell temperature; NOCT Nominal Operating Cell Temperature

## Warranty:

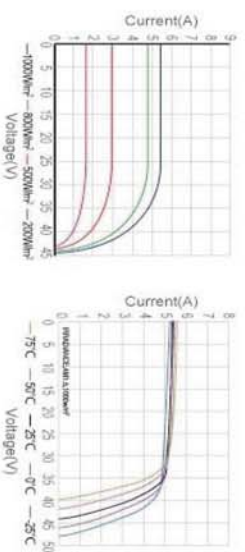
- >Peak power of single module is guaranteed in  $\pm 3\%$  power tolerance;
- >Average power of each order is guaranteed not less than the peak power;
- >5 years limited warranty on material and workmanship;
- >Limited warranty for 90% performance assurance on 10 years, 80% performance assurance on 25 years.

## MACHANICAL CHARACTERISTICS

|               |                               |
|---------------|-------------------------------|
| Dimension     | 1580mm×808mm×45/35mm          |
| Weight        | 15.5kg                        |
| Cable Length  | 900mm                         |
| Bypass Diodes | 3pcs                          |
| Junction Box  | PVRH0502B                     |
| Front Glass   | 3.2mm                         |
| Frame         | Electrophoresis silvery white |

Specifications are subjected to change without further notice

## I-V CURVES



**WF-M190 WF-M185 WF-M180 WF-M170 WF-M160**  
Monocrystalline Photovoltaic Modules

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