



Electrical Data

|                                |             |
|--------------------------------|-------------|
| Maximum Power(W)               | 160W        |
| Optimum Power Voltage(Vmp)     | 35.28V      |
| Optimum Operating Current(Imp) | 4.53A       |
| Open Circuit Voltage(Voc)      | 43.84V      |
| Short Circuit Current(Isc)     | 4.85A       |
| Cell Efficiency (%)            | 15.07%      |
| Module Efficiency (%)          | 12.53%      |
| Tolerance Wattage(e.g. +/-3%)  | ±3%         |
| NOCT                           | 47°C +/-2°C |

## Benefits

- ☐ High efficiency solar cells with high transmission and textured glass are delivering high efficiency for modules;
- ☐ Bypass diode minimizes the power drop caused by shade;
- ☐ Tempered glass, EVA resin, and weatherproof film, plus aluminum frame for extended outdoor use;
- ☐ Modules independently tested to ensure conformance with certification and regulatory standards;
- ☐ Manufacturing facility certified to ISO 9001 quality management system standards.

Temperature Coefficients

|                                       |       |
|---------------------------------------|-------|
| Temperature Coefficients of Isc(%)/°C | +0.04 |
| Temperature Coefficients of Voc(%)/°C | -0.38 |
| Temperature Coefficients of Pm(%)/°C  | -0.47 |
| Temperature Coefficients of Im(%)/°C  | +0.04 |
| Temperature Coefficients of Vm(%)/°C  | -0.38 |

## Applications

- ☐ On-grid residential roof-tops
- ☐ On-grid commercial/industrial roof-tops
- ☐ Solar power stations
- ☐ Other on-grid applications

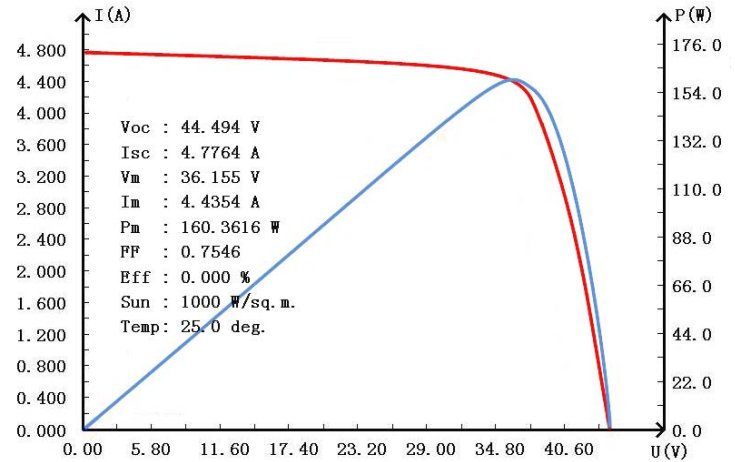
# Monocrystalline Solar Panel

# Model :SSA160W-36M

## Components & Mechanical Data

|                               |                                      |
|-------------------------------|--------------------------------------|
| Solar Cell                    | 125*125 Mono                         |
| Number of Cell(pcs)           | 6*12                                 |
| Size of Module(mm)            | 1580*808*40                          |
| Front Glass Thickness(mm)     | 3.2                                  |
| Surface Maximum Load Capacity | 2400Pa                               |
| Allowable Hail Load           | 23m/s ,7.53g                         |
| Weight Per Piece(KG)          | 15                                   |
| Junction Box Type             | Pass the TUV Certificate             |
| Bypass Diode Rating(A)        | 12                                   |
| Cable & Connector Type        | Pass the TUV Certificate             |
| Frame(Material Corners,etc.)  | 40#                                  |
| Backing (Brand Type)          | TPT                                  |
| Temperature Range             | -40°C to +85°C                       |
| FF (%)                        | 70-76%                               |
| Standard Test Conditions      | AM1.5 1000W/m <sup>2</sup> 25 +/-2°C |

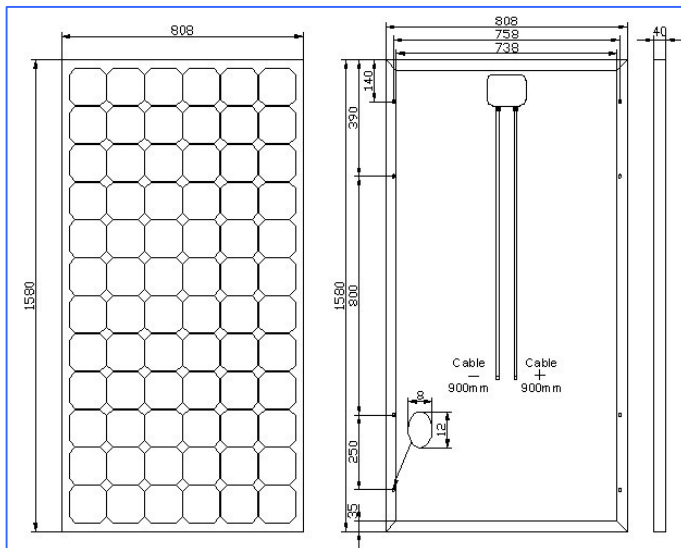
## I-V Curves



## Warranty & Certifications

|                |                                  |
|----------------|----------------------------------|
| Warranty       | 25 year limited power warranty   |
|                | 10 year limited product warranty |
| Certifications | IEC 61215, IEC 61730, ETL-UL1703 |

## Engineering Drawings



## Packing

|         |                  |
|---------|------------------|
| Packing | Wooden Box       |
| 1*20'   | 14Pallets/378pcs |
| 1*40'HQ | 28Pallets/756pcs |

