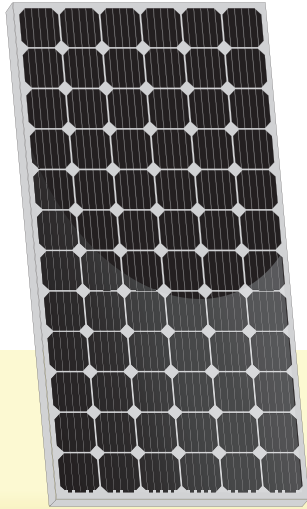
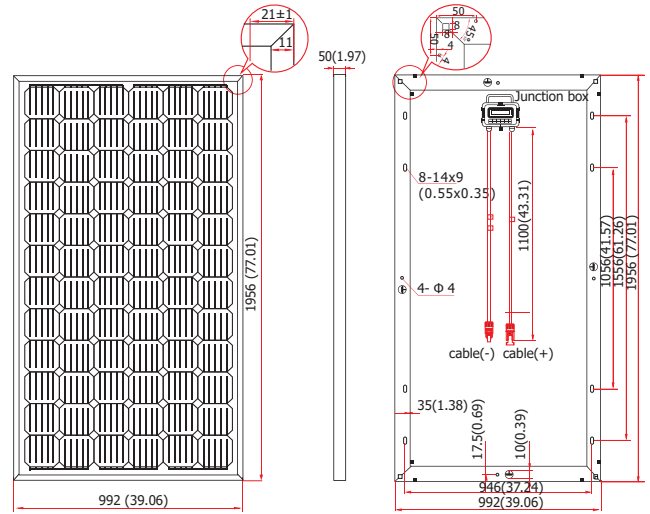


# MONOCRYSTALLINE MODULES 305W - 360W



SOLAR MODULE:  
SDM-305, SDM-310, SDM-320, SDM-330, SDM-340,  
SDM-345, SDM-350, SDM-355, SDM-360

## PHYSICAL CHARACTERISTICS Unit: mm (inch)



## ELECTRICAL SPECIFICATIONS

| Model Type                      | SDM-305         | SDM-310 | SDM-320 | SDM-330 | SDM-340 | SDM-345 | SDM-350 | SDM-355 | SDM-360 |
|---------------------------------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Nominal Maximum Power (Pmax)    | 305W            | 310W    | 320W    | 330W    | 340W    | 345W    | 350W    | 355W    | 360W    |
| Optimum Operating Voltage (Vmp) | 37.72V          | 37.80V  | 38.10V  | 38.23V  | 38.59V  | 39.02V  | 39.17V  | 39.46V  | 39.74V  |
| Optimum Operating Current (Imp) | 8.09A           | 8.20A   | 8.40A   | 8.64A   | 8.82A   | 8.85A   | 8.94A   | 9.01A   | 9.06A   |
| Open Circuit Voltage (Voc)      | 44.78V          | 44.63V  | 45.37V  | 45.50V  | 46.22V  | 46.44V  | 46.51V  | 46.80V  | 47.16V  |
| Short Circuit Current (Isc)     | 8.66A           | 8.70A   | 8.95A   | 9.19A   | 9.33A   | 9.41A   | 9.58A   | 9.63A   | 9.67A   |
| Module Efficiency               | 15.72%          | 15.98%  | 16.58%  | 17.10%  | 17.62%  | 17.87%  | 18.10%  | 18.35%  | 18.60%  |
| Cell Efficiency                 | 17.93%          | 18.22%  | 18.60%  | 18.80%  | 19.40%  | 19.80%  | 20.00%  | 20.20%  | 20.50%  |
| Power Tolerance                 | 0 to +6W        |         |         |         |         |         |         |         |         |
| Maximum System Voltage          | DC 1500V        |         |         |         |         |         |         |         |         |
| Operating Temperature           | -40° C ~ +85° C |         |         |         |         |         |         |         |         |
| Maximum Series Fuse Rating      | 20A             |         |         |         |         |         |         |         |         |
| Number of Bypass Diode          | 3               |         |         |         |         |         |         |         |         |

## MECHANICAL DATA

|                  |  |
|------------------|--|
| Cell Type        | 156mm x 156mm                                      |
| Cell Arrangement | 72 cells in series                                 |
| Dimensions       | 1956 x 992 x 50 mm                                 |
| Weight           | 22.00kg  |
| Front Cover      | 3.2mm tempered glass                               |
| Frame Material   | Anodized aluminium alloy                           |
| J-Box            | IP67, 3 diodes                                     |
| Cable            | 4mm (IEC) / 12AWG (UL), 1000mm (650mm is optional) |
| Connectors       | MC4 or MC4 compatible                              |

## TEMPERATURE CHARACTERISTICS

|                                     |              |
|-------------------------------------|--------------|
| Temperature Coefficient (Pmax)      | -0.420% / °C |
| Temperature Coefficient (Voc)       | -0.346% / °C |
| Temperature Coefficient (Isc)       | 0.065% / °C  |
| Norminal Operating Cell Temperature | 45.3 ± 2 °C  |

## ELECTRICAL CHARACTERISTICS

(SDM-350)

