

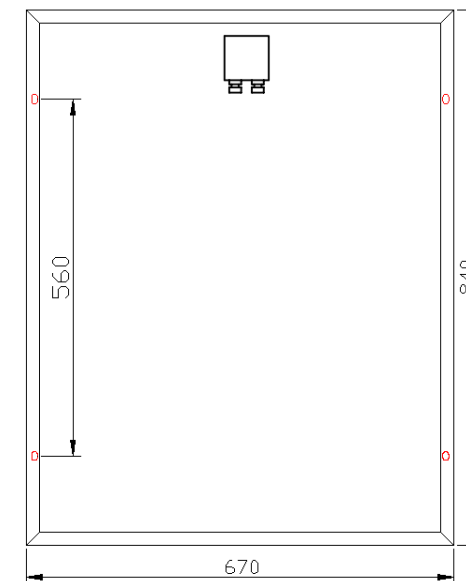
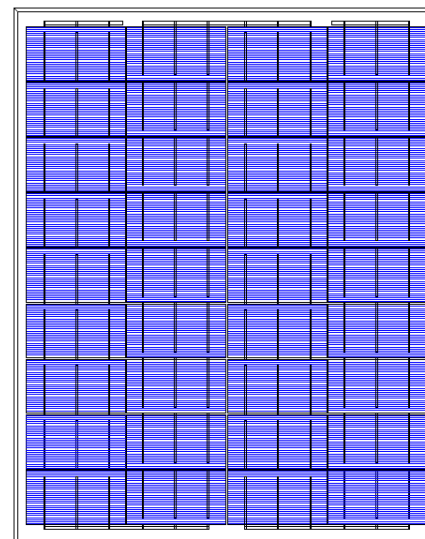
# TECHNICAL DATA SHEET

SP636-80W



## Technical Data

|                              |                                     |
|------------------------------|-------------------------------------|
| Type                         | SP636-80W                           |
| Type of Solar Cell           | Poly-crystalline, 156mm × 156mm     |
| Number of Cells              | 36 pcs                              |
| Size of module               | 840 × 670 × 35mm ( 156 × 85mm cell) |
| Module, Weight               | 6 kg                                |
| Connector / Cross-Section    | Junction Box                        |
| Cables, Length (+/-)         | Customizable                        |
| Front Cover Glass            | Safety Glass                        |
| Front Cover Glass, Thickness | 3.2 mm                              |
| Frame                        | Anodized Aluminium                  |



## Electrical Data

|                        |                |        |
|------------------------|----------------|--------|
| Maximum Power          | $P_{MPP\ STC}$ | 80 W   |
| Power Tolerance        | $\Delta_{STC}$ | ±2%    |
| Maximum Power Voltage  | $U_{MPP\ STC}$ | 18.0 V |
| Maximum Power Current  | $I_{MPP\ STC}$ | 4.44 A |
| Open Circuit Voltage   | $U_{OC\ STC}$  | 21.6 V |
| Short Circuit Current  | $I_{SC\ STC}$  | 4.94 A |
| Cell Efficiency        | $\eta_{STC}$   | 17.3%  |
| Maximum System Voltage | $U_{DC}$       | 1000 V |

STC: Irradiance 1000 W/m<sup>2</sup>; Spectrum AM 1.5; Cell Temperature 25°C, Wind 0 m/s

## Temperature Coefficients

|                     |                      |                  |
|---------------------|----------------------|------------------|
| Power Coefficient   | $\alpha_k (P_{MPP})$ | -0.50 ± 0.05%/K  |
| Voltage Coefficient | $\beta_k (U_{OC})$   | -0.35 ± 0.01%/K  |
| Current Coefficient | $\Phi_k (I_{SC})$    | 0.065 ± 0.015%/K |

## Power Warranty

- 10 years performance warranty to 90 %
- 25 years performance warranty to 80 %
- 5 years warranty against production and material defects

## Certifications

IEC 61215, IEC 61730 ,TUV, CE, ISO9001:2000

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