



NEW! 25 YEAR LINEAR
PERFORMANCE WARRANTY AND
A PRODUCT WORKMANSHIP
WARRANTY OF 5 YEARS*

Length 65.94 in (1675 mm)
Width 39.41 in (1001 mm)
Height 1.22 in (31 mm)¹⁾
Frame Aluminum
Weight 46.7 lbs (21,2 kg)



Sunmodule⁺

SW 245 mono

World-class quality

SolarWorld products are manufactured in state-of-the-art factories according to strict German and US quality standards.

Award-winning products

SolarWorld modules have been ranked number one for two years running in ongoing comparison tests carried out by the Photon trade magazine. Sunmodule plus panels generated up to 12% more yield than other major brand panels.

SolarWorld Plus-Sorting

Plus-Sorting guarantees highest system efficiency. SolarWorld only delivers modules that have greater than or equal to the nameplate rated power.

25-year Linear Performance Guarantee*

SolarWorld guarantees, over 25 years, that the modules' performance will not decrease by more than 0.7% per year – a distinct added value compared to industry-standard two-tiered guarantees.

*in accordance with the applicable SolarWorld service certificate at purchase
www.solarworld-global.com/service-certificate



Sunmodule⁺

SW 245 mono

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)*

| SW 245 | | |
|-----------------------------|-----------|--------|
| Maximum power | P_{max} | 245 Wp |
| Open circuit voltage | U_{oc} | 37.7 V |
| Maximum power point voltage | U_{mpp} | 30.8 V |
| Short circuit current | I_{sc} | 8.25 A |
| Maximum power point current | I_{mpp} | 7.96 A |

*STC: 1000W/m², 25°C, AM 1.5

PERFORMANCE AT 800 W/m², NOCT, AM 1.5

| SW 245 | | |
|-----------------------------|-----------|----------|
| Maximum power | P_{max} | 179.1 Wp |
| Open circuit voltage | U_{oc} | 34.4 V |
| Maximum power point voltage | U_{mpp} | 28.1 V |
| Short circuit current | I_{sc} | 6.65 A |
| Maximum power point current | I_{mpp} | 6.37 A |

Minor reduction in efficiency under partial load conditions at 25°C: at 200W/m², 95% (+/-3%) of the STC efficiency (1000 W/m²) is achieved.

COMPONENT MATERIALS

| | |
|------------------|-------------------------------------|
| Cells per module | 60 |
| Cell type | Mono crystalline |
| Cell dimensions | 6.14 in x 6.14 in (156 mm x 156 mm) |
| Front | tempered glass (EN 12150) |

SYSTEM INTEGRATION PARAMETERS

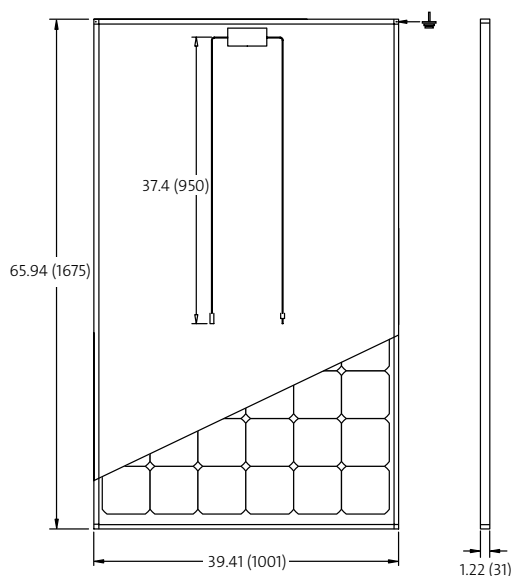
| | |
|--------------------------------------|-----------------------|
| Maximum system voltage SC II | 1000 V |
| Max. system voltage USA NEC | 600 V |
| Maximum reverse current | 16 A |
| Increased snowload acc. to IEC 61215 | 5,4 kN/m ² |
| Number of bypass diodes | 3 |

THERMAL CHARACTERISTICS

| | |
|--------------|-----------|
| NOCT | 47 °C |
| TC I_{sc} | 0.042 %/K |
| TC U_{oc} | -0.33 %/K |
| TC P_{mpp} | -0.45 %/K |

ADDITIONAL DATA

| | |
|---------------------------------------|--------------------------|
| Measuring tolerance | +/- 3 % |
| Junction box | IP65 |
| Connector | MC4 |
| SolarWorld Plus-Sorting ²⁾ | $P_{Flash} \geq P_{max}$ |



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection



- 1) Temporarily, also modules with a frame height of 34 mm can be supplied. Please inquire with your dealer.
- 2) The output identified by SolarWorld (P_{Flash}) is always higher than the nominal output (P_{max}) of the module.
- 3) Depending on the market. SolarWorld AG reserves the right to make specification changes without notice. This data sheet complies with the requirements of EN 50380.