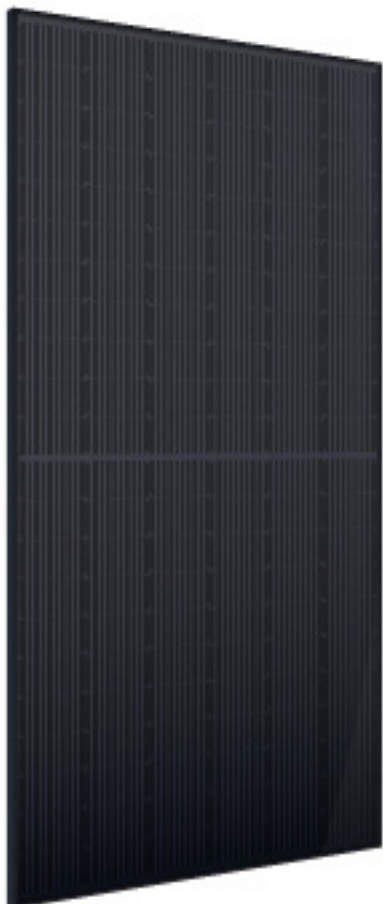


## spwr™ 405 W Black Residential DC Module

The spwr™ module is tested for reliability up to three times more than the industry standard to ensure that the modules paired with the SunPower Equinox® system will perform for years to come.<sup>1</sup>



### Superior Aesthetics

Sleek all-black design combined with SunPower's InvisiMount® low-profile mounting system<sup>2</sup> makes for an elegant, streamlined appearance on any roof. Small in size, big on power.



### Rigorous Quality Assurance

From the warehouse to installation on your roof, SunPower® products and system components are required to meet our high quality standards. All products meet comprehensive quality and reliability benchmarks including vendor verification, supplier guideline enforcement, onsite manufacturing and shipment inspections, and ongoing performance and reliability testing.

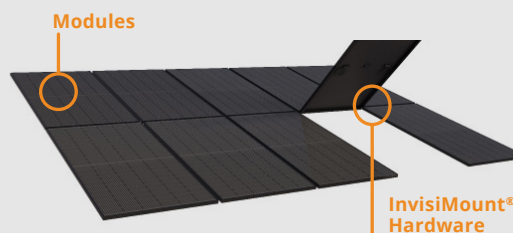


### Industry-Leading Warranty

Every part of the SunPower Equinox® system is designed and backed by one company. SunPower's Complete Confidence Warranty includes limited warranties of 25 years for modules, microinverters and racking, and 10 years for monitoring hardware.

### Your complete home solar solution

Every spwr™ module is designed as part of the SunPower Equinox® system, complete with mySunPower® monitoring app capability. Based on availability and installation locations, we will recommend the best module suited for your home and energy goals.



# SPR-U405-BLK spwr™ Residential DC Module

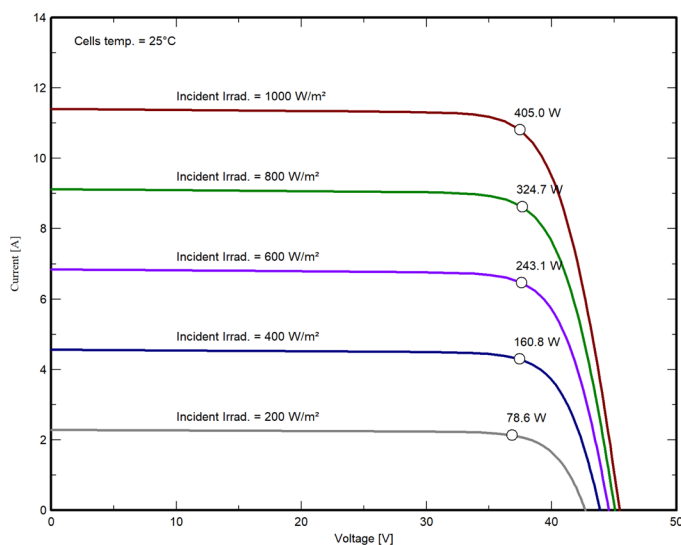
| Electrical Data                       |                  |                   |
|---------------------------------------|------------------|-------------------|
|                                       | STC <sup>3</sup> | NOMT <sup>4</sup> |
| Module Efficiency                     | 20.3%            |                   |
| Nom. Power (P <sub>nom</sub> )        | 405 W            | 304 W             |
| Rated Voltage (V <sub>mp</sub> )      | 38.2 V           | 35.1 V            |
| Rated Current (I <sub>mp</sub> )      | 10.6 A           | 8.7 A             |
| Open Circuit Voltage V <sub>oc</sub>  | 45.4 V           | 42.5 V            |
| Short Circuit Current I <sub>sc</sub> | 11.4 A           | 9.2 A             |
| Power Tolerance                       | +10/-0 W         | +10/-0 W          |
| Max. System Voltage (UL)              | 1500 V           | 1500 V            |

| Mechanical Data and Design Properties |                                                           |
|---------------------------------------|-----------------------------------------------------------|
| Number of Cells                       | 132                                                       |
| Cell Type                             | Half-cut Mono PERC                                        |
| Max. Series Fuse                      | 25 A                                                      |
| Connectors                            | Stäubli MC4                                               |
| Cable Length                          | 47.2" (1200 mm)                                           |
| Junction Box                          | IP-68                                                     |
| Product Dimensions                    | 75.7" L × 40.9" W × 1.4" D (1924 mm × 1038 mm × 35 mm)    |
| Frame                                 | Black anodized aluminum (anodization thickness ≥ 15 μ)    |
| Weight                                | 48.5 lb (22 kg)                                           |
| Pallet Dimensions                     | 83.5" L × 44.5" W × 47.2" D (2120 mm × 1120 mm × 1200 mm) |
| Qty. per Pallet / Weight              | 31 pieces / 1523.4 lb (691 kg)                            |

| Tested Operating Conditions |                                                   |
|-----------------------------|---------------------------------------------------|
| Operating Temp.             | -40°F to +185°F (-40°C to +85°C)                  |
| Max. Test Load <sup>5</sup> | Wind: 3600 Pa<br>Snow: 6000 Pa                    |
| Impact Resistance           | 1.4 inch (35 mm) diameter hail at 52 mph (23 m/s) |

| Temperature Coefficients |               |
|--------------------------|---------------|
| NOMT                     | 43°C (+/-2°C) |
| Temp. Coef. of Current   | 0.055%/°C     |
| Temp. Coef. of Voltage   | -0.285%/°C    |
| Temp. Coef. of Power     | -0.365%/°C    |

| Warranties, Certifications, and Compliance |                                                                                                                                                                                                                  |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warranties <sup>6</sup>                    | <ul style="list-style-type: none"> <li>• SunPower Complete Confidence Warranty</li> <li>• 25-year linear power warranty</li> <li>• 25-year limited product warranty</li> <li>• 25-year labor warranty</li> </ul> |
| Certifications and Compliance              | <ul style="list-style-type: none"> <li>• UL 61730 (Type 2 Fire Rating)</li> <li>• ISO 9001:2015</li> <li>• ISO 14001:2015</li> <li>• ISO 45001:2018</li> <li>• IEC 61215</li> </ul>                              |
| PID Test                                   | 1500 V: IEC 62804                                                                                                                                                                                                |



1 SunPower works with third-party labs and companies to complete testing on modules. Standard testing as defined by those third parties includes reliability tests of damp heat (DH1000), humidity freeze (HF10), and thermal cycling (TC200).

2 Alternate mounting displays may be used in some installations.

3 Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25°C).

4 Nominal Operating Module Temperature (800 W/m² irradiance, AM 1.5, 20°C).

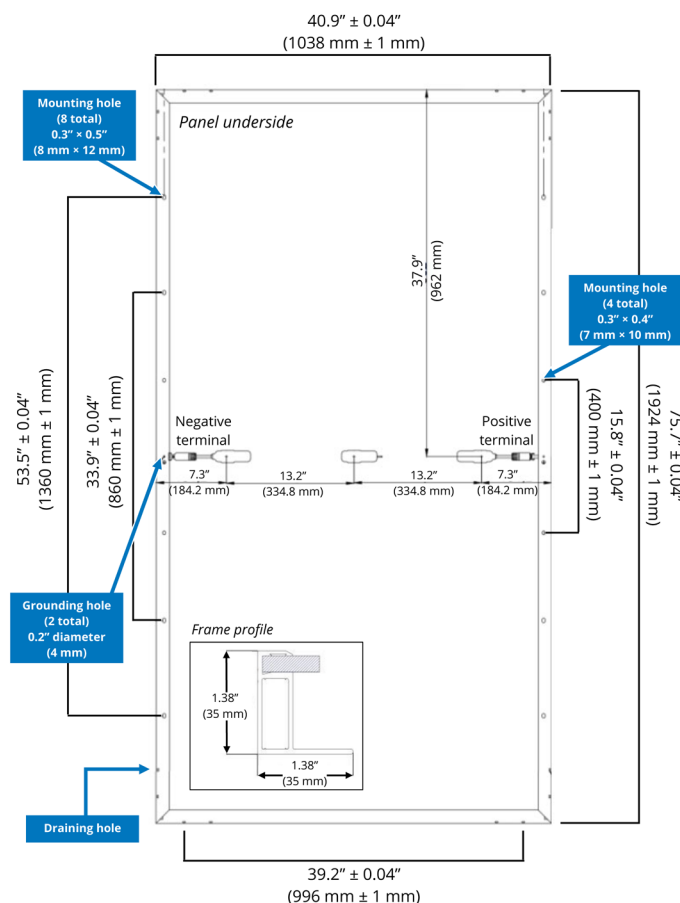
5 See Installation Guide for mounting instructions. Design load=test load / 1.5 (safety factor)

6 Warranty conditions apply. See [www.sunpower.com/support](http://www.sunpower.com/support) for more details.

See [www.sunpower.com/company](http://www.sunpower.com/company) for more reference information.

Specifications included in this datasheet are subject to change without notice.

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Please read the safety and installation instructions for details.



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