spwr™

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.[1]

Superior Aesthetics

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

Rigorous Quality Assurance

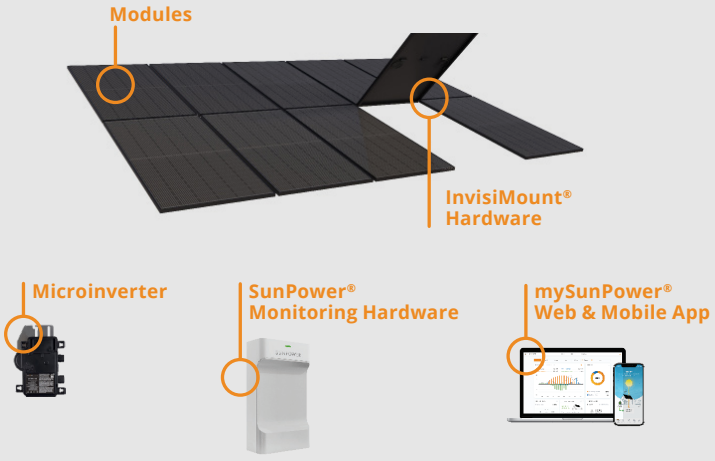
From the warehouse to installation on your roof, SunPower® products and system components are required to meet our high quality standards. All products meet comprehensive quality and reliability benchmarks including vendor verification, supplier guideline enforcement, onsite manufacturing and shipment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

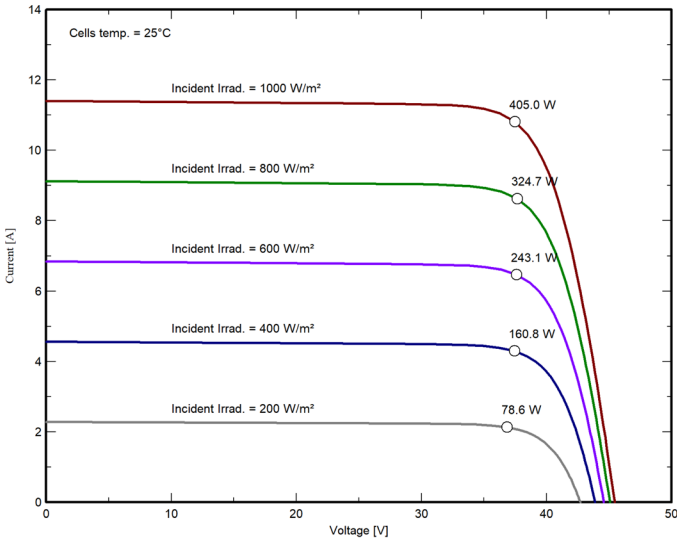
Electrical Data		
	STC[3]	NOMT[4]
Module Efficiency	20.3%	
Nom. Power (P_{nom})	405 W	304 W
Rated Voltage (V_{mp})	38.2 V	35.1 V
Rated Current (I_{mp})	10.6 A	8.7 A
Open Circuit Voltage V_{oc}	45.4 V	42.5 V
Short Circuit Current I_{sc}	11.4 A	9.2 A
Power Tolerance	+10/–0 W	+10/–0 W
Max. System Voltage (UL)	1500 V	1500 V

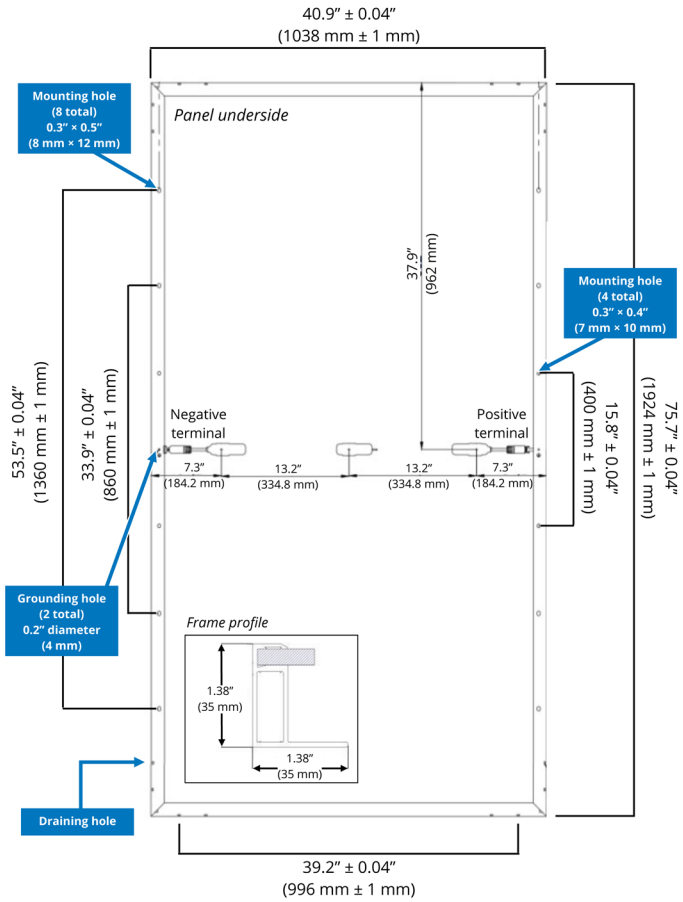
Tested Operating Conditions	
Operating Temp.	–40°F to +185°F (–40°C to +85°C)
Max. Test Load[5]	Wind: 3600 Pa Snow: 6000 Pa
Impact Resistance	1.4 inch (35 mm) diameter hail at 52 mph (23 m/s)

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

Mechanical Data and Design Properties	
Number of Cells	132
Cell Type	Half-cut Mono PERC
Max. Series Fuse	25 A
Connectors	Staübli 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)

Warranties, Certifications, and Compliance	
Warranties[6]	• SunPower Complete Confidence Warranty • 25-year linear power warranty • 25-year limited product warranty • 25-year labor warranty
Certifications and Compliance	• UL 61730 (Type 2 Fire Rating) • ISO 9001:2015 • ISO 14001:2015 • ISO 45001:2018 • IEC 61215
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 for more details.

See www.sunpower.com/company for more reference information.
Specifications included in this datasheet are subject to change without notice.

Please read the safety and installation instructions for details.

UL LISTED PHOTOVOLTAIC MODULES AND PANELS WITH SYSTEM VOLTAGE RATINGS OVER 600 VOLTS E531551

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