

## PDEOZE PowerContainer

# Sofia Northwest solar Panel Specifications



## Overview

---

Output (luminaire flux) 1,800lm Power 12W Number of LEDs 56 Colour Temperatures 2,700K 3,000K 4,000K Colour Rendering Index (CRI) 70 Distributions Road - Type 1 Road - Type 2 Area - Symmetric What are solar panel datasheet specifications?

Key Takeaways of Solar Panel Datasheet Specifications Solar panel datasheet specifications include factors such as power output, efficiency, voltage, current, and temperature coefficient, which determine the performance and suitability of the panel for specific applications.

What should you consider when evaluating solar panels?

Key specifications to consider when evaluating solar panels are the wattage or power rating, efficiency percentage, operating voltage, current output, and the temperature coefficient that indicates how the panel's performance is affected by temperature changes.

What is the maximum power output of a solar panel?

Answers The NOCT is  $45^{\circ}\text{C} \pm 2^{\circ}\text{C}$ . There is no limit. Reading the graph,  $I = 1.2$  A and  $V = 37$  V. The maximum power is therefore approximately 44 W. The coefficient is  $-0.25\%/^{\circ}\text{C}$  for  $T > 25^{\circ}\text{C}$ . The output drops  $-0.25\%/^{\circ}\text{C} \times 25^{\circ}\text{C} = -6.25\%$  Key Takeaways of Solar Panel Datasheet Specifications.

How efficient is a 300 watt solar panel?

A monocrystalline 300-watt solar panel has an efficiency of approximately 19% to 20%. A 300-watt bifacial solar panel's energy production efficiency goes up to 22%. What are 175 Watt Solar Panel Specifications?

.

How do I choose the best solar panels?

When it comes to investing in solar panels, understanding their specifications

is essential for making an informed decision. Factors such as wattage, efficiency, temperature coefficients, and warranty details determine the overall performance and longevity of the solar panel system.

What is a rated wattage solar panel?

1. **Rated Wattage** The wattage of a solar panel represents the electricity it generates under specific test conditions. These conditions include a solar irradiance of 1,000 watts per square meter, solar cell temperature of 25°C, and 1.5 air mass.

## Sofia Northwest solar Panel Specifications

---

Key Takeaways of Solar Panel Datasheet Specifications Solar panel datasheet specifications include factors such as power output, efficiency, voltage, current, and temperature coefficient, which determine the performance and suitability of the panel for specific applications.

Key specifications to consider when evaluating solar panels are the wattage or power rating, efficiency percentage, operating voltage, current output, and the temperature coefficient that indicates how the panel's performance is affected by temperature changes.

Answers The NOCT is  $45^{\circ}\text{C} \pm 2^{\circ}\text{C}$ . There is no limit. Reading the graph,  $I = 1.2\text{ A}$  and  $V = 37\text{ V}$ . The maximum power is therefore approximately  $44\text{ W}$ . The coefficient is  $-0.25\%/^{\circ}\text{C}$  for  $T > 25^{\circ}\text{C}$ . The output drops  $-0.25\%/^{\circ}\text{C} \times 25^{\circ}\text{C} = -6.25\%$  Key Takeaways of Solar Panel Datasheet Specifications

A monocrystalline 300-watt solar panel has an efficiency of approximately 19% to 20%. A 300-watt bifacial solar panel's energy production efficiency goes up to 22%. What are 175 Watt Solar Panel Specifications?

When it comes to investing in solar panels, understanding their specifications is essential for making an informed decision. Factors such as wattage, efficiency, temperature coefficients, and warranty details determine the overall performance and longevity of the solar panel system.

1. Rated Wattage The wattage of a solar panel represents the electricity it generates under specific test conditions. These conditions include a solar irradiance of 1,000 watts per square meter, solar cell temperature of  $25^{\circ}\text{C}$ , and 1.5 air mass.

5 days ago · The article covers the key specifications of solar panels, including power output, efficiency, voltage, current, and temperature coefficient, as presented in solar panel datasheets, and explains how ...

What is a solar spec sheet? A spec sheet also provides information about the assumptions used to create a panel's operating parameters. For example, SunPower's spec sheet provides a ...

Aug 6, 2022 · Ideally tilt fixed solar panels 36° South in Sofia, Bulgaria To maximize your solar PV system's energy output in Sofia, Bulgaria (Lat/Long 42.6951, 23.325) throughout the year, you ...

5 days ago · The article covers the key specifications of solar panels, including power output, efficiency, voltage, current, and temperature coefficient, as presented in solar panel ...

Dec 14, 2023 · The The The panels panels panels are are are constructed constructed constructed with with with Anti Anti Anti Reflective Reflective Reflective Coating Coating ...

Nov 17, 2023 · Specifications of the solar panel include details on the efficiency, wattage, temperature coefficients, and warranty.

Jan 31, 2025 · Sofia Solar Sample Specification Text Sofia Solar post top luminaire with 56 LED 12W light engine. Integrated 18W monocrystalline solar panel with 22% efficiency. 3,000K ...

Nov 4, 2025 · With an elegant design and integrated solar panel, Sofia Solar is a contemporary open-sided luminaire that draws inspiration from traditional lanterns.

What are solar panel datasheet specifications?Key Takeaways of Solar Panel Datasheet Specifications Solar panel datasheet specifications include factors such as power output, ...

A global solar panel directory with advanced filters that lets you review and compare panels. Pictures, datasheets, PDFs are shown.

Nov 17, 2023 · Specifications of the solar panel include details on the efficiency, wattage, temperature coefficients, and warranty.

Oct 13, 2019 · SOLAR PANEL SPECIFICATION P/N: SW0.4M Maximum power voltage:4.0V Maximum power current: 100.0mA Dimension: 70\*65\*3.2mm 1. Outline View:

A global solar panel directory with advanced filters that lets you review and compare panels. Pictures, datasheets, PDFs are shown.

## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.pdeozepv.pl>