

SC-SERIES MODULE

MANUFACTURED BY PANASONIC



SC330, SC325 AND SC320 MODULE

Zep Compatible 96-Cell PV Module

For use in residential and commercial PV installations

MORE POWER PER MODULE

Our 325W module generates 22% more power than a standard 270 W module.

MORE ENERGY EVERY YEAR

More yearly energy (kWh) compared to other modules as they perform better in the heat.

MORE ENERGY EVERY YEAR

Panasonic SC Series Modules use Heterojunction cell technology, which adds a layer of thin film silicon on top of high efficiency crystalline silicon.

OUTSTANDING DURABILITY

With more than 20 additional tests performed beyond what is currently mandated, these modules far exceed industry standards.

LEADING WARRANTY

Our modules rank among the best in warranty coverage, with workmanship that extends to 10 years.

MORE POWER, FEWER MODULES

With a sunlight to electricity conversion efficiency of over 19.7%, the module ranks amongst the highest in the industry. That means our modules can harvest more energy from the sun, which means it takes fewer of our modules to power your home. Plus, they generate more power output during the hottest times of the day, even in warmer climates.



LIMITED WARRANTY

| | |
|--------------|--|
| Power Output | 10 years (90% of P_{MIN}) 25 years (80% of P_{MIN}) |
|--------------|--|

| | |
|-------------|----------|
| Workmanship | 10 years |
|-------------|----------|

MATERIALS

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|---------------|---------------------------|
| Cell Material | 5 inch photovoltaic cells |
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|----------------|--------------------------|
| Glass Material | AR coated tempered glass |
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|-----------------|-------------------------|
| Frame Materials | Black anodized aluminum |
|-----------------|-------------------------|

CAUTION

Please read the installation manual carefully before using the product.

MODULE SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

| Model | SC330 | SC325 | SC320 |
|-------------------------------------|---------|---------|---------|
| Max Power (W) | 330 | 325 | 320 |
| Max Power Voltage, V_{MP} (V) | 58.0 | 57.6 | 57.3 |
| Max Power Current, I_{MP} (A) | 5.70 | 5.65 | 5.59 |
| Open Circuit Voltage, V_{OC} (V) | 69.7 | 69.6 | 69.4 |
| Short Circuit Current, I_{SC} (A) | 6.07 | 6.03 | 5.98 |
| System Voltage (V) | 600 | 600 | 600 |
| Max Series Fuse Rating (A) | 15 | 15 | 15 |
| Solar Module Efficiency (%) | 19.7 | 19.4 | 19.1 |
| Power Tolerance (%) | +5 / -0 | +5 / -0 | +5 / -0 |

TEMPERATURE CORRECTION

| | |
|------------------|-------|
| NOCT (°C) | 44.0 |
| P_{MAX} (%/°C) | -0.29 |
| V_{OC} (%/°C) | -0.25 |
| I_{SC} (%/°C) | 0.03 |

Electrical characteristics are within $-/+10\%$ of the indicated values of I_{SC} and V_{OC} , and $+5/-0\%$ for P_{MAX} , under standard test conditions (irradiance of 100 mW/cm², AM 1.5 spectrum, and a cell temperature of 25 degrees Celsius or 77 degrees Fahrenheit).

AT NOCT (NORMAL OPERATING CONDITIONS)

| Model | SC330 | SC325 | SC320 |
|-------------------------------------|-------|-------|-------|
| Max Power (W) | 250.1 | 246.0 | 242.0 |
| Max Power Voltage, V_{MP} (V) | 54.5 | 54.2 | 53.8 |
| Max Power Current, I_{MP} (A) | 4.59 | 4.54 | 4.49 |
| Open Circuit Voltage, V_{OC} (V) | 66.1 | 66.0 | 65.8 |
| Short Circuit Current, I_{SC} (A) | 4.88 | 4.85 | 4.81 |

AT LOW IRRADIANCE (20%)

| Model | SC330 | SC325 | SC320 |
|-------------------------------------|-------|-------|-------|
| Max Power (W) | 63.4 | 62.0 | 60.9 |
| Max Power Voltage, V_{MP} (V) | 56.5 | 55.7 | 55.2 |
| Max Power Current, I_{MP} (A) | 1.12 | 1.11 | 1.10 |
| Open Circuit Voltage, V_{OC} (V) | 65.5 | 65.1 | 64.7 |
| Short Circuit Current, I_{SC} (A) | 1.21 | 1.21 | 1.20 |

MECHANICAL DATA

| | |
|--------------------|---|
| Weight | 19.5kg (42.99 lbs) |
| Dimensions | 1590 mm (62.60") / 1053 mm (41.46") / 40 mm (1.57") |
| Connector | MC4 |
| Frame Color | Black |
| Wind and Snow Load | 2400 Pa (50 lbs/ft ²) |
| Fire Type | UL 1703 Type 2 |

