

# SILVANTIS™ M265 MODULE



SunEdison is a recognized authority on silicon technology and manufacturing processes developed through more than 50 years of experience. With our vertically-integrated business model, SunEdison delivers best-in-class solar modules by continuously leveraging new technology and manufacturing techniques that maximize efficiency, minimize cost, and extend product lifetime. Our solar module factory is ISO 14001 certified, and our products undergo rigorous inspection to ensure the highest possible quality.

SunEdison Silvantis solar module family continues our tradition of excellence by delivering the highest levels of performance worldwide. SunEdison is dedicated to providing local, responsive customer service.



## HIGH EFFICIENCY

SunEdison modules are designed to the highest industry standards of efficiency.



## QUALITY

Manufactured in highly automated, state-of-the-art facilities certified to ISO9001 and ISO14001.



## MONO-CRYSTALLINE DESIGN

Mono-crystalline wafers provide high efficiency and consistent high quality.

## KEY FEATURES

- Solaicx® CCz p-type mono-crystalline cells for higher conversion efficiency
- Tempered glass with Anti-Reflective Coating (ARC) for higher energy production
- Positive power tolerance provides increased power output
- Withstands loads up to 5400 Pa as tested to IEC standards
- Non-corroding anodized aluminum frame for ruggedness with black anodized aluminum.
- Modules with a range of power output available
- All black version with anodized black frame and black back sheet

## QUALITY & SAFETY

- IEC61215 certified by TÜV SÜD to ensure long-term operation in a variety of climates
- IEC61730 certified by TÜV SÜD to ensure electrical safety
- MCS certified by BABT for the UK (pending)
- Stringent outgoing quality acceptance criteria benchmarked to industry standards
- UL1703 listed by CSA for Canada and US

## WARRANTY INFORMATION

- 10-year limited warranty for materials and workmanship
- 25-year linear power warranty with coverage for power loss greater than 3.5% in the first year and 0.7% degradation per year thereafter
- Backed by SunEdison Products Singapore

## MODULE FAMILY

Original version:

M250CyC M255CyC M270CyC  
M260CyC M265CyC

All black version:

M250KyC M255KyC  
M260KyC M265KyC





# M265 SOLAR MODULE

## PHYSICAL PARAMETERS

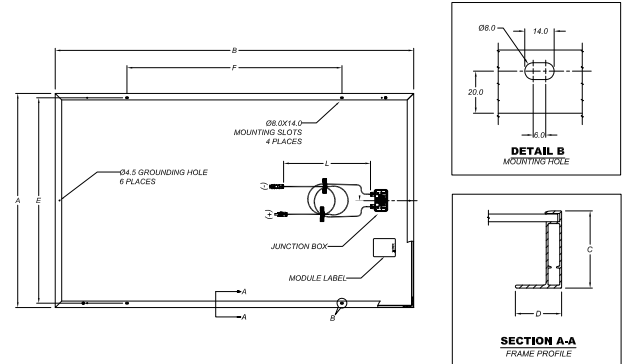
Module Dimensions (mm)	1,658 x 990 x 50
Module Weight (kg)	19.3
Cell-Type	Mono-crystalline
Number of Cells	60
Frame Material	Black Anodized Aluminum
Glass (mm)	3.2 Tempered ARC glass

## TEMPERATURE COEFFICIENTS AND PARAMETERS\*

Nominal Operating Cell Temperature (NOCT) (°C)	46 ± 2 (CyC)
Nominal Operating Cell Temperature (NOCT) (°C) All Black Model	48 ± 2 (KyC)
Temperature Coefficient of Pmax (%/°C)	-0.45
Temperature Coefficient of Pmax (%/°C) All Black Model	-0.48
Temperature Coefficient of Voc (%/°C)	-0.34
Temperature Coefficient of Isc (%/°C)	+0.05
Maximum System Voltage (V)	1000 (UL) & 1000 (IEC)
Maximum System Voltage (V) All Black Model	600 (UL) & 1000 (IEC)
Limiting Reverse Current (A)	8.40
Maximum Series Fuse Rating (A)	15

Temperature coefficients may vary by ±10%

## M265 SOLAR MODULE DIMENSIONS mm[inch]



### Module Dimensions

A – 990 [39.0] B – 1,658 [65.3] C – 50 [2.0] D – 30 [1.18]

### Mounting Hole Spacing

E – 950 [37.4] F – 994 [39.1]

### Cable Length

L – 1,000 [39.4]

## ELECTRICAL CHARACTERISTICS\*

Model #	M250CyC	M255CyC	M260CyC	M265CyC	M270CyC	M250KyC	M255KyC	M260KyC	M265KyC
Tolerance	-0+5 W	-0+5 W	-0+5 W	-0+5 W	-0+5W	-0+5 W	-0+5 W	-0+5 W	-0+5W
Rated Maximum Power Pmax (W)	250	255	260	265	270	250	255	260	265
Open-Circuit Voltage Voc (V)	38.2	38.3	38.4	38.5	38.6	38.2	38.3	38.4	38.5
Short Circuit Current Isc (A)	8.82	8.84	8.87	9.00	9.10	8.82	8.84	8.87	9.00
Module Efficiency (%)	15.2%	15.5%	15.8%	16.1%	16.4%	15.2%	15.5%	15.8%	16.1%
Maximum Power Point Voltage Vmpp (V)	30.7	30.8	31.0	31.5	31.7	30.7	30.8	31.0	31.5
Maximum Power Point Current Imp (A)	8.15	8.27	8.40	8.42	8.52	8.15	8.27	8.40	8.42
Frame Color	Black	Black	Black	Black	Black	Black	Black	Black	Black
Back Sheet Color	White	White	White	White	White	Black	Black	Black	Black

All electrical data at standard test conditions (STC): 1000W/m<sup>2</sup>, AM1.5, 25°C  
Electrical characteristics may vary by ±5% and power by -0/+5W

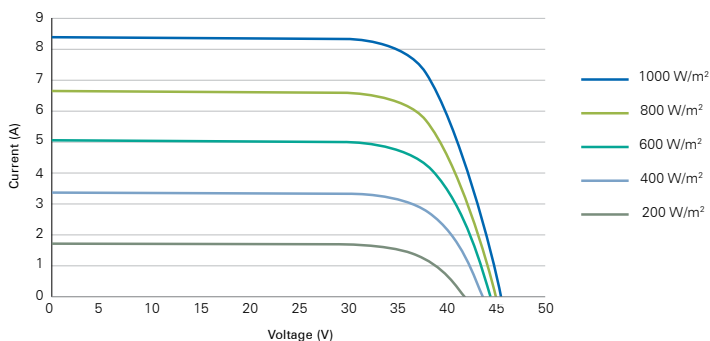
y indicates manufacturing location:

M = Malaysia, C = Canada, D = Europe,

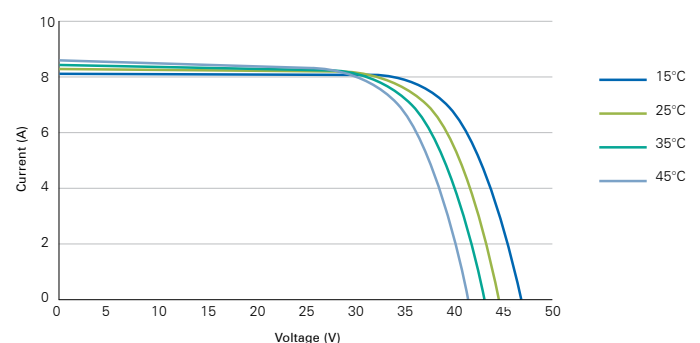
X = Mexico, P = PRC, T = Taiwan

\* Listed specifications are subject to change without prior notice.

## IV CURVES AT MULTIPLE IRRADIANCES\* [25°C]



## IV CURVES AT MULTIPLE TEMPERATURES\* [1000 W/M2]



For more information about SunEdison Silvantis Modules, please visit [www.SunEdison.com](http://www.SunEdison.com)