

ENGINEERING EXCELLENCE

- Built with **world-class quality multicrystalline cells**, providing excellent performance value
- **Suniva is a U.S.- based company** spun out from the Georgia Tech University Center of Excellence in Photovoltaics; one of only two such research centers in the U.S.
- Suniva's state-of-the art manufacturing and module lab facilities feature the most advanced equipment and technology

QUALITY & RELIABILITY

Suniva MV™ series modules are manufactured and warranted to our specifications assuring consistent high performance and quality.

Our specifications include:

- Rigorous quality management
- Quality control meets highest international standards: ISO 9001: 2008, ISO 14001: 2004 and ISO17025: 2005

SUNIVA MV™ SERIES MULTICRYSTALLINE SOLAR MODULES

MV™ SERIES: MVX 60 CELL MODULES (SILVER FRAME)

Suniva's MV™ series modules are made of world-class quality multicrystalline solar cells to bring you a reliable yield even under demanding conditions. Combining industry-leading performance with multicrystalline cells, MV™ modules provide excellent value, performance and reliability.

FEATURES

- ☀ Positive only power tolerance ensures predictable output
- ☀ Complies with IEC 61701 for salt mist corrosion resistance
- ☀ High PID resistance through advanced cell technology & high material qualification standards
- ☀ Durability assured with extended wind and snow load testing
- ☀ Provides industry-leading 25 year linear warranty (*with 10 year warranty on workmanship and materials*)
- ☀ 25-year, 3rd-party product performance warranty insurance, covered by industry-leader, Munich Re
- ☀ Additional Munich Re project performance insurance available for purchase

CERTIFICATIONS



MV™ SERIES: MVX 60 CELL MODULES

ELECTRICAL DATA (NOMINAL)

The rated power may only vary by -0/+10W and all other electrical parameters by ± 5%.

Model Number	MVX 260-60-5-800	MVX 265-60-5-800	MVX 270-60-5-800
Power Classification (Pmax)	260 W	265 W	270 W
Module Efficiency (%)	16.0%	16.3%	16.6%
Voltage at Max. Power Point (Vmp)	30.9 V	31.0 V	31.1 V
Current at Max. Power Point (Imp)	8.42 A	8.56 A	8.69 A
Open Circuit Voltage (Voc)	37.7 V	37.8 V	37.9 V
Short Circuit Current (Isc)	8.89 A	9.02 A	9.15 A

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m² with AM 1.5 spectra at 25 °C.

CHARACTERISTIC DATA

Type of Solar Cell	Multicrystalline silicon 156 mm x 156 mm (6 in.)
Frame	Anodized aluminum alloy
Glass	3.2 mm (0.13 in.) anti-reflective (AR) coated, tempered glass
Junction Box	IP68 rated (3 bypass diodes)
Cable & Connectors	4.0 mm ² , 12 AWG, Symmetrical cable lengths 1000 mm (39.4 in.), Amphenol H4 connectors

MECHANICALS

Cells / Module	60 (6 x 10)
Module Dimensions	1640 mm x 992 mm x 35 mm (64.56 x 39.05 x 1.4 in.)
Module Thickness (Depth)	35 mm (1.37 in.)
Approximate Weight	18.2 kg (40.1 lbs.)

TEMPERATURE COEFFICIENTS

Voltage	β, Voc (%/°C)	-0.33
Current	α, Isc (%/°C)	0.067
Power	γ, Pmax (%/°C)	-0.41
NOCT Avg	(+/- 2 °C)	45.0

LIMITS

Max. System Voltage	1000 VDC for IEC and UL
Max Series Fuse Rating	20 Amps
Operating Module Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Storm Resistance/Static Load	Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal)*

*Refer to installation manual for more information.

Suniva® reserves the right to change the data at any time. View manual and warranty at suniva.com.

Please read installation manual before installing or working with module.

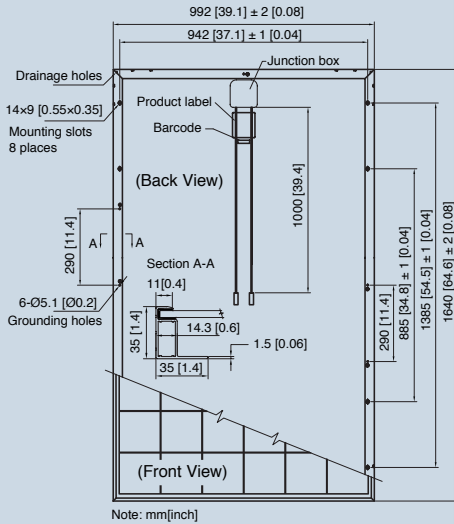
Container	20' GP	40' HC	53' Truck
Pieces per pallet	30	30	30
Pallets per container	6	28	30
Pieces per container	180	840	900

GP = General Purpose; HC = High Cube

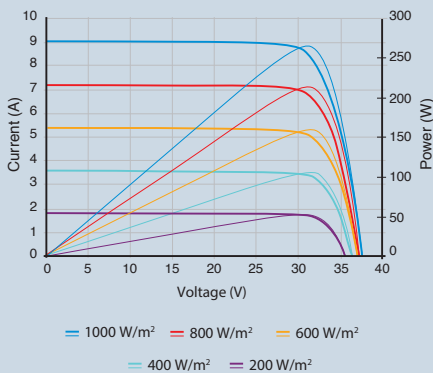
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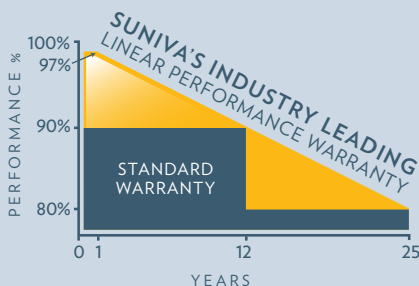

The Brilliance of Solar Made Sensible®



Current-Voltage & Power-Voltage Curve (270)



Excellent performance under weak light conditions: at an irradiance intensity of 200 W/m² (AM 1.5, 25 °C), 96.5% or higher of the STC efficiency (1000 W/m²) is achieved



 **PLEASE RECYCLE**

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