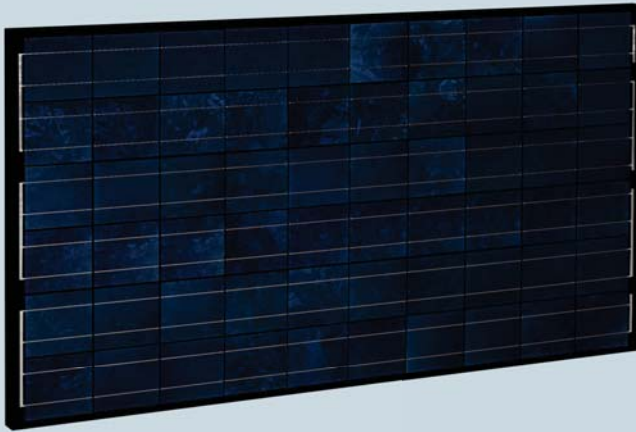




**High-quality and high-efficiency
PV yields sensible solar**

SUNIVA MV™ SERIES MULTICRYSTALLINE SOLAR MODULES



MV™ SERIES: MVX 60 CELL MODULES

Suniva's MV™ series modules are made of world class quality multicrystalline solar cells to bring you a reliable yield even under demanding conditions. Offering industry-leading performance, MV™ modules have a positive power tolerance to ensure reliable output. Ideal for residential rooftop systems, and on or off-grid commercial and utility systems, MV™ modules provide excellent value, performance and reliability.

Certifications:



-OR-



UL 1703

Engineering Excellence

- Built with world class quality multicrystalline cells, providing excellent performance value
- Suniva's state-of-the art manufacturing facility features the most advanced equipment and technology
- 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.)

Features

- Black frame and backsheet ideal for residential market
- Provides industry-leading 25 year linear warranty (with 10 year warranty on workmanship and materials)
- Buy America compliant available upon request
- Marine grade aluminum frame
- Complies with IEC 61701 for salt mist corrosion resistance

Quality & Reliability

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

Our specifications include:

- Rigorous quality management
- Performance longevity with advanced polymer backsheet
- Produced in an ISO 9001: 2008 facility
- System and design services available

OUR PRODUCTS:

Monocrystalline Modules

OPTIMUS SERIES 60 cell
OPTIMUS SERIES 72 cell

Monocrystalline Cells

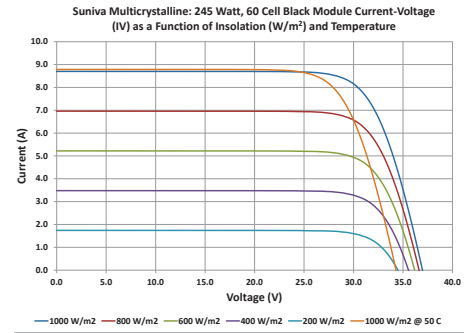
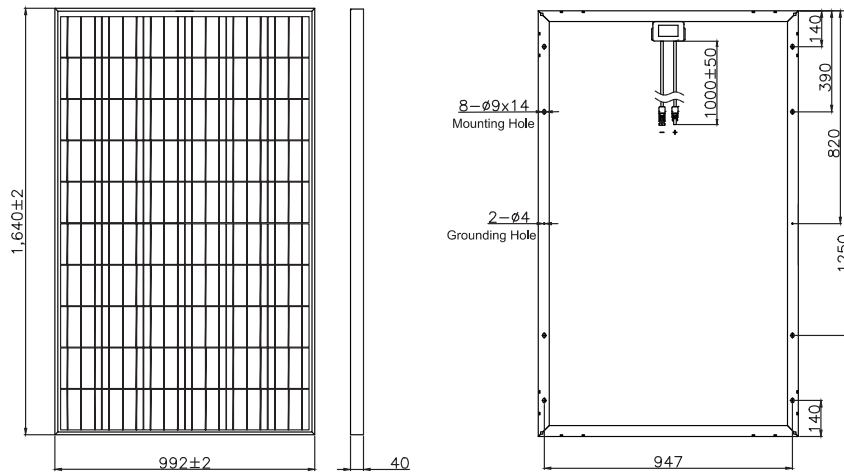
19%+ efficiency

Multicrystalline Modules

MV SERIES 60 cell
MV SERIES 72 cell

Balance of Systems Solutions (BOSS)

Racking, Inverters, Batteries, Energy Storage Appliances and EV Chargers



ELECTRICAL DATA (NOMINAL)

The rated power may only vary by -0/+3% and all other electrical parameters by $\pm 5\%$

Power Classification	Pmax (W)	240	245	250	255
Module Efficiency	%	14.75	15.06	15.37	15.67
MV™ Series Model Number	MVX	240-60-5-7B1	245-60-5-7B1	250-60-5-7B1	255-60-5-7B1
Voltage at Max. Power Point	Vmp (V)	29.70	29.90	30.10	30.40
Current at Max. Power Point	Imp (A)	8.08	8.19	8.31	8.39
Open Circuit Voltage	Voc (V)	37.20	37.30	37.40	37.50
Short Circuit Current	Isc (A)	8.64	8.73	8.83	8.86

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

DIMENSIONS AND WEIGHT

Cells / Module	60 (6x10)
Module Dimensions	1640 x 992 mm (64.56 in. x 39.05 in.)
Module Thickness (Depth)	40 mm (1.57 in.)
Approximate Weight	19 kg (41.88 lbs.)

CHARACTERISTIC DATA

Type of Solar Cell	Multicrystalline silicon cells 156 mm x 156 mm (6 in.)
Frame	Black anodized aluminum alloy
Glass	Tempered (low-iron), anti-reflective coating
Junction Box	NEMA IP65/IP67 rated; 3 or 3x2 internal bypass diodes
Cable & Connectors	4mm² cable with MC4 compatible connectors; cable length approximately 1000mm

TEMPERATURE COEFFICIENTS

Voltage	β , Voc (%/°C)	-0.340
Current	α , Isc (%/°C)	+0.045
Power	γ , Pmax (%/°C)	-0.450
NOCT Avg	(+/- 2 °C)	45.0

LIMITS

Max. System Voltage	1000 VDC for IEC (600 VDC for UL*)
Operating Module Temperature	-40° C to +85° C (-40° F to +185° F)
Storm Resistance/Static Load ¹	Withstands mechanical loads up to 5400 Pa (113 psf); hail and wind resistant

*1000V UL available upon request. Suniva® reserves the right to change the data at any time. View manual and warranty at suniva.com. SAMD_0036

Headquarters

5765 Peachtree Industrial Blvd.,
Norcross, Georgia 30092 USA
Tel: +1 404 477 2700

www.suniva.com



Please recycle.