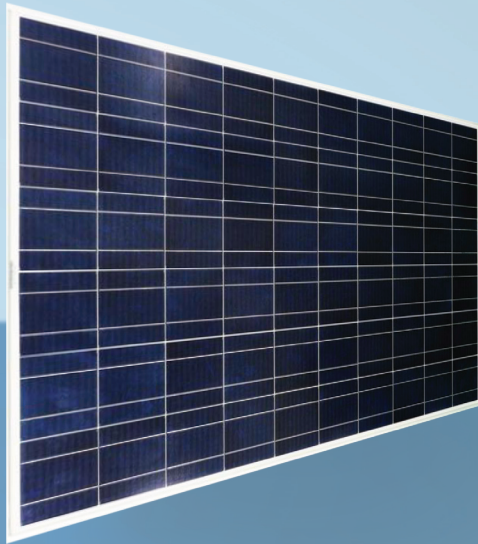


From the world leading
PV research lab comes
sensible solar.



SUNIVA MVP™ SERIES MULTICRYSTALLINE SOLAR MODULES



MVP SERIES 60 CELL MODULES

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

Certifications':



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

- Delivers panel efficiency conversion of 14 -15%
- Provides industry-leading 25 year linear warranty (with 10 year warranty on workmanship and materials)
- Salt spray and corrosion resistant; marine grade aluminum frame
- Ask about our Balance of System Solutions (BOSS)

Quality & Reliability

Suniva MVP series modules are manufactured and warranted to our rigid specifications assuring quality worldwide. Our specifications include:

- Rigorous quality management
- Performance longevity with advanced polymer backsheets
- Electrical tests and visual inspections
- Produced in an ISO 9001: 2008 facility
- System and design services available

USA Headquarters

5765 Peachtree Industrial Blvd.,
Norcross, GA 30092
(o) +1 404 477 2700

www.suniva.com

Americas

Americas@suniva.com
Federal Government
Govt@suniva.com

Europe

Europe@suniva.com

Middle East/Africa

MEA@suniva.com

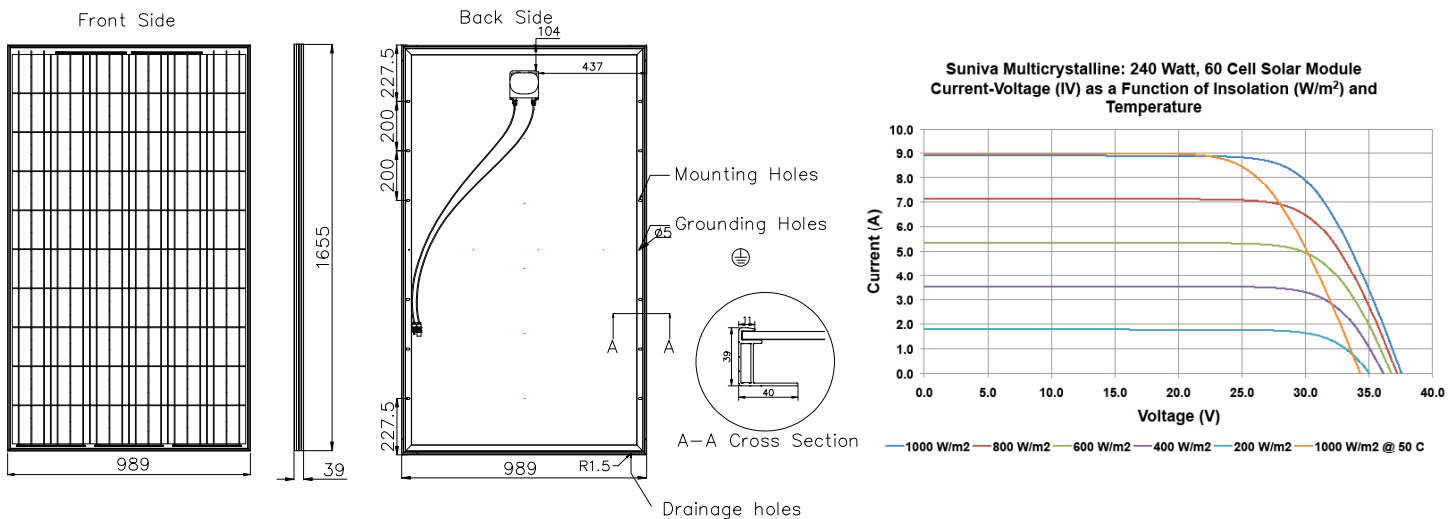
Asia Pacific

AsiaPacific@suniva.com

EXIM Financing

EXIM@suniva.com

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ELECTRICAL DATA (NOMINAL)

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

Power Classification (Max.)	Pmax (W)	230	235	240
MVP Model Number	MVS	230-60-5-501	235-60-5-501	240-60-5-501
Voltage at Max. Power Point	Vmp (V)	28.76	29.19	29.61
Current at Max. Power Point	Imp (A)	8.04	8.09	8.14
Open Circuit Voltage	Voc (V)	36.46	36.74	37.03
Short Circuit Current	Isc (A)	8.77	8.80	8.83

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

DIMENSIONS AND WEIGHT

Cells / Module	60 (6x10)
Module Dimensions	1655 x 989 mm (65.16 x 38.94 in.)
Module Thickness (Depth)	39 mm (1.54 in.)
Approximate Weight	19.6 kg (43.21 lbs.)

CHARACTERISTIC DATA

Type of Solar Cell	Multicrystalline silicon cells 156 mm x 156 mm (6 in.)
Frame	Silver anodized aluminum alloy
Glass	Tempered and low-iron; salt and acid spray resistant tested per 61701
Junction Box	Tyco; NEMA rated IP65; IEC & UL listed; 3 internal diodes
Cable & Connectors	4mm² cable with Tyco SolarLok connectors; cable length approximately 1000mm

TEMPERATURE COEFFICIENTS

Voltage	β , Voc (%/°C)	-0.340
Current	α , Isc (%/°C)	+0.045
Power	γ , Pmax (%/°C)	-0.470
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
Storm Resistance/Static Load ¹	Tested to IEC 61215 for loads up to 5400 Pa; hail and wind resistant

¹ Suniva® reserves the right to change the data at any time.

² Some certifications may be pending.

² View manual at suniva.com/ourproducts.php



Please recycle.