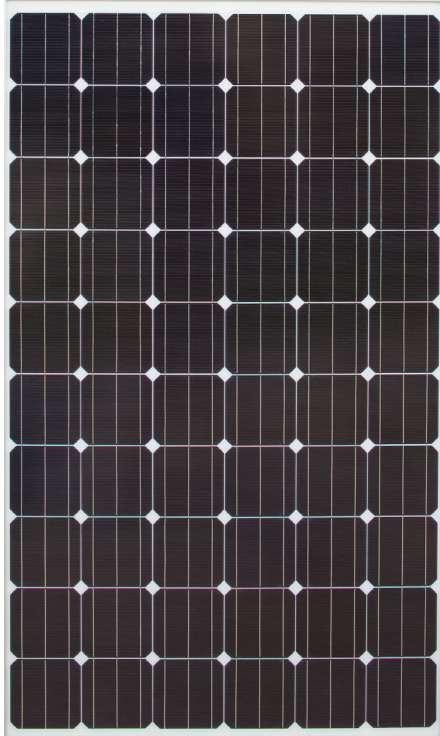




Suniva[®] ART245-60 Monocrystalline Solar Modules

ART245-60-3-2



UL 1703



61215
61730-2



FSEC[®]



CEC



Engineering Excellence

The ART245-60 modules consist of Suniva's high-efficiency, high-power monocrystalline cells, designed and manufactured in the U.S. using our low-cost processing techniques. Engineered with industry-leading technology, Suniva's high power-density modules provide excellent value, performance and reliability. With deep roots in PV technology, including more than 20 years of proprietary cell research and design, Suniva[®] is a global leader in the high-efficiency, low-cost solar products market.

- We have a state-of-the-art manufacturing facility with the newest equipment and technology.
- Suniva is a US company spun out from the Georgia Tech University Center of Excellence in Photovoltaics (one of only two such research centers in the US).
- Suniva's high efficiency at the cell level translates into higher output at the module level.
- Rated output is ideally suited for standalone as well as grid-tied systems.

Quality & Reliability

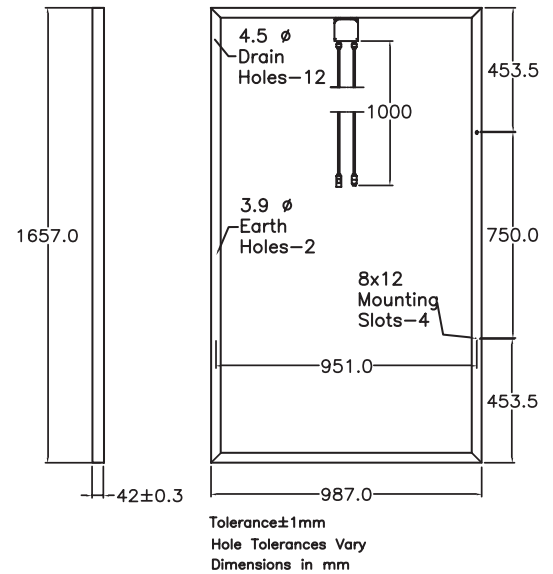
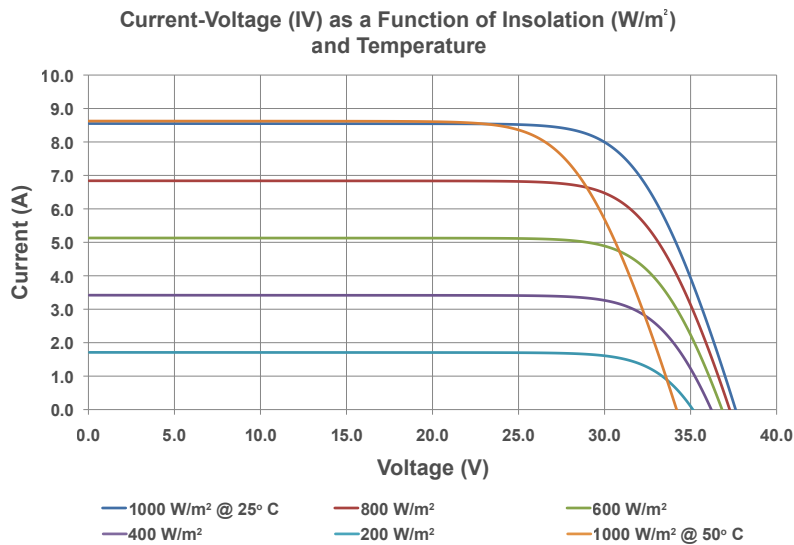
Suniva[®] modules are manufactured and warranted to our specifications, assuring consistently high quality and performance.

- Rigorous quality management; ISO 9001-2008 compliant.
- Mechanical and electrical tests and visual inspections on each module.
- Tempered glass, EVA encapsulant and fluorinated multilayer backsheet protect performance longevity.

Features

- Positive tolerance (-0/+4.99Wp) ensures extra power.
- Industry-leading 25-year warranty (5 years w/ 100% warranty on workmanship & materials; 12 years @ 90% rated performance, 25 years @ 80% rated performance).
- Contains more than 85% US content.
- Fully "Buy America" compliant.

Suniva® ART245-60 Monocrystalline Solar Modules



ELECTRICAL DATA (NOMINAL)

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m^2 with AM 1.5 spectra at 25°C.

Power Classification (Max.)	Pmax (W)	235	240	245
Voltage at Max. Power Point	Vmp (V)	30.00	30.40	30.90
Current at Max. Power Point	Imp (A)	7.84	7.89	7.95
Open Circuit Voltage	Voc (V)	37.30	37.30	37.40
Short Circuit Current	Isc (A)	8.38	8.44	8.49

The rated power may only vary by -0/+4.99 Wp and all other electrical parameters by ± 5%

DIMENSIONS AND WEIGHTS

Cells / Module	60
Module Dimensions	1657 x 987 mm; 65.24 x 38.86 in.
Module Thickness (Depth)	42 mm; 1.65 in.
Approximate Weight	19 kg; 42 lbs.

CHARACTERISTIC DATA

Type of Solar Cell	High-efficiency Suniva® 3 busbar monocrystalline cells of 156 x 156 mm
Frame	Silver anodized aluminum alloy
Glass	Anti-reflective coating, tempered & low-iron
Junction Box	IP67 rated; IEC & UL listed; with internal bypass diodes
Cable & Connectors	4 mm ² cable with MC4 connectors; cable length approximately 1 m

TEMPERATURE COEFFICIENTS

Voltage	β , Voc (%/°C)	-0.332
Current	α , Isc (%/°C)	+0.036
Power	γ , Pmax (%/°C)	-0.460

LIMITS

Max. System Voltage	1000 VDC
Operating Module Temperature	-40°C to +90°C
Storm Resistance	Tested to IEC 61215 for wind loads of 5400 Pa (204 mph)

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

