



Suniva® ART245-60 Monocrystalline Solar Modules



NOW AT 15+%
Module Level Efficiency



ART245-60-3-100



UL 1703



61215
61730-2



CEC



AS5033
Compliant

Engineering Excellence

The ART245-60 modules consist of Suniva's high-efficiency, high-power monocrystalline cells, designed 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.

- Our state-of-the-art manufacturing facilities feature 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.).
- Suniva's high efficiency at the cell level translates into higher output at the module level.
- Ask about our "Buy America" compliant modules.

Features

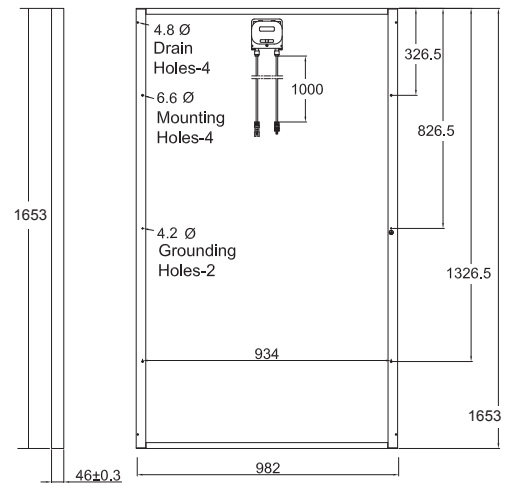
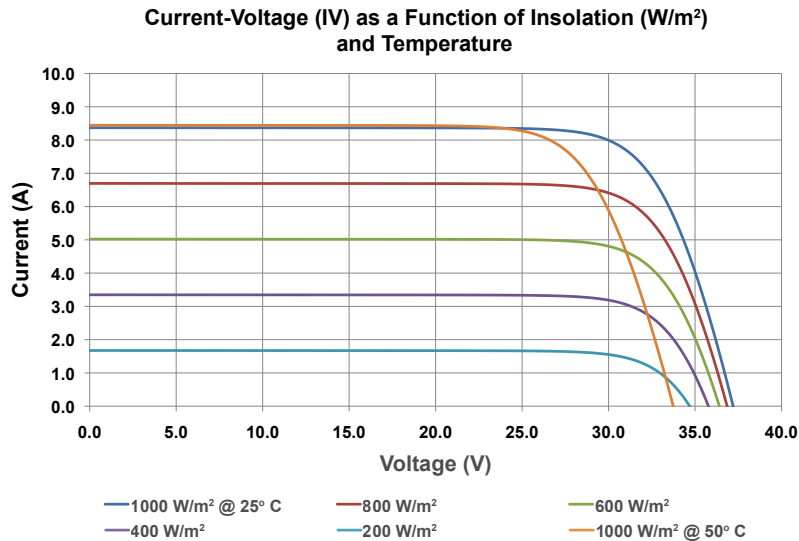
- Delivers module efficiency conversion of 15+%
- Offers one of the tightest power tolerances in the industry
- Resists corrosion using marine grade aluminum with anodized coating
- Saves balance of system costs (more power per module)
- Provides industry-leading 25-year warranty (5 years w/ 100% warranty on workmanship & materials; 12 years @ 90% rated performance; 25 years @ 80% rated performance)

Quality & Reliability

Suniva® 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
- Mechanical and electrical tests and visual inspections

Suniva® ART245-60 Monocrystalline Solar Modules



Tolerances ± 1 mm
 Hole Tolerances Vary
 Dimensions in mm

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	245
Voltage at Max. Power Point	Vmp (V)	30.90	31.20
Current at Max. Power Point	Imp (A)	7.63	7.87
Open Circuit Voltage	Voc (V)	37.10	37.30
Short Circuit Current	Isc (A)	8.43	8.54

The rated power may vary by $\pm 5 \text{ Wp}$ and all other electrical parameters by $\pm 5\%$

DIMENSIONS AND WEIGHTS

Cells / Module	60
Module Dimensions	1653 x 982 mm; 65.08 x 38.66 in.
Module Thickness (Depth)	46 mm; 1.81 in.
Approximate Weight	18.69 kg; 41.22 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 and low-iron
Junction Box	IP65 rated; IEC & UL listed; with internal bypass diodes
Cable & Connectors	4 mm ² cable with Tyco connectors; cable length approximately 1 m

TEMPERATURE COEFFICIENTS

Voltage	β , Voc (%/°C)	- 0.3686
Current	α , Isc (%/°C)	+ 0.0391
Power	γ , Pmax (%/°C)	- 0.4995
NOCT Avg	(°C)	46.0

LIMITS

Max. System Voltage	1000 VDC for IEC (600 VDC for UL)
Operating Module Temperature	-40°C to +90°C
Storm Resistance/Static Load	Tested to IEC 61215 for loads up to 5400 Pa

Suniva® reserves the right to change the data at any time.*Some certifications may be pending.

For product and purchase inquiries contact:

ecodirect
 CLEAN ENERGY SOLUTIONS
www.ecodirect.com

Suniva
 The Brilliance of Solar Made Sensible

