

SUNIVA ART245-60-2

MODEL NUMBER



FEATURES

- High efficiency 6 inch (156mm) monocrystalline solar module solar cells.
- Provide excellent value and performance for operation of both DC loads and in an inverter-equipped system for AC loads.
- Ideally suited for high power applications, such as Grid Interactive Systems.
- Light weight due to glass/EVA and multi-layer composite of PET film construction.
- Torsion-resistant module frame made of anodized aluminum guarantees high mechanical strength for resistance to snow and extreme wind and hail.
- Optimized for commercial and residential applications.
- UL 1703, IEC 61215, IEC 61730, and CE.
- 25 year guarantee - 5 years 100% product guarantee; 12 year 90% rated performance guarantee; 25 year 80% rated performance guarantee.

MECHANICAL SPECIFICATIONS

Cells / Module	60
Module Dimensions (mm)	1660 x 987
Module Thickness (mm)	42
Approximate Weight (Kg)	19.00
Type of Solar Cell	Suniva 2 busbar monocrystalline cells of 156 x 156mm
Frame	Silver anodized aluminum alloy
Glass	3.2mm tempered
Connection	IP65 junction box with 4 terminals
Cable Entry	Prepared for cable glands (M 12)
Connections (Optional)	4mm ² – Lapp-cable with Tyco connectors

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TECHNICAL SPECIFICATIONS

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ELECTRICAL SPECIFICATIONS at STC

Irradiance at the module level of 1000 W/m² with spectrum AM 1.5g and a cell temperature of 25°C

Power Classification	Pmax (W)	230	235	240
Voltage at Maximum Power Point	Vmp (V)	29.42	29.48	30.10
Current at Maximum Power Point	Imp (A)	7.89	8.00	8.02
Open Circuit Voltage	Voc (V)	37.38	37.50	37.62
Short Circuit Voltage	Isc (A)	8.50	8.52	8.55

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

TEMPERATURE COEFFICIENT

Voltage	Voc (% / °C)	-335
Current	Isc (% / °C)	+0.0481
Power	Pmax (% / °C)	-0.51

LIMITS

Maximum 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 TECHNICAL DRAWING

Temperature and Irradiance Dependence of the Module I-V Curve

