

High-efficiency photovoltaic module 175W - silicon mono-crystalline silicon cells.

Performance

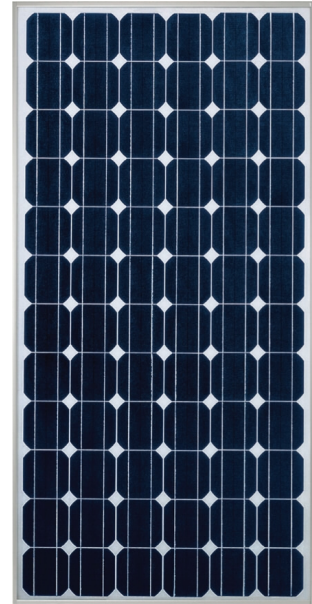
Rated power (Pmax): 175W
Power tolerance: $\pm 3\%$
Nominal voltage: 24V
Limited Warranty: 25 years

Configuration

Aluminum frame with output cables and polarized Multi-contact (MC) connectors

Electrical Characteristics

Maximum power (Pmax): 175W
Voltage at Pmax (Vmp): 36.1V
Current at Pmax (Imp): 4.85A
Warranted minimum Pmax : 160W
Short-circuit current (Isc): 5.49A
Open-circuit voltage (Voc): 43.68V
Temperature coefficient of Isc: $(0.09 \pm 0.015)\%/k$
Temperature coefficient of Voc : $-(0.34 \pm 0.20)\%/k$
Temperature coefficient of power: $-(0.37 \pm 0.05)\%/k$
NOCT: (Air 20°C; Sun 0.8kW/m²; wind 1m/s): 48 \pm 2°C
Maximum series fuse rating 15A
Maximum system voltage 600V (U.S. NEC & IEC 61215 rating)



Mechanical Characteristics

Dimensions Length: 1581 mm (62.25") Width: 809 mm (31.85") Depth: 40 mm (1.57")
Weight: 15.0 kg (33.1 pounds)

Solar Cells: 72 cells (125 mm x 125 mm) in a 6x12 matrix connected in series

Output Cables RHW AWG# 12 (4 mm²) cable with polarized weatherproof DC rated Multi-contact connectors; asymmetrical lengths - 1250 mm (-) and 800 mm (+)

Frame: Anodized aluminum alloy type 6063T6 Universal frame; Color: Bronze

1. Warranty: Power output for 25 years. Freedom from defects in materials and workmanship for 5 years.

2. These data represent the performance of typical 175W products, and are based on measurements made in accordance with ASTM E1036 corrected to SRC (STC.)

3. During the stabilization process that occurs during the first few months of deployment, module power may decrease by up to 1% from typical Pmax.

