208 WATT

NEXT GENERATION. BREAKTHROUGH PERFORMANCE.

POLY-CRYSTALLINE SILICON PHOTOVOLTAIC MODULE WITH 208W MAXIMUM POWER

This poly-crystalline 208 watt module features 12.8% module efficiency for an outstanding balance of size and weight to power and performance. Using breakthrough technology perfected by Sharp’s 45 years of research and development, these modules incorporate an advanced surface texturing process to increase light absorption and improve efficiency. Common applications include commercial and residential grid-tied roof systems as well as ground-mounted arrays. Designed to withstand rigorous operating conditions, Sharp’s ND-208U2 modules offer high power output per square foot of solar array.

FEAT URES

• High-power module (208W) using 156mm square poly-crystalline silicon solar cells with 12.8% module conversion efficiency
• Sharp’s advanced surface texturing process increases light absorption and efficiency while providing a more subdued,"natural" look
• Bypass diodes minimize the power drop caused by shade
• Water white tempered glass, EVA resin, and a weatherproof film, plus aluminum frame for extended outdoor use
• UL Listings: UL1703, cUL
• Sharp modules are manufactured in ISO 9001 certified facilities
• 25-year limited warranty on power output (see dealer for details)
### Electrical Characteristics

- **Cell**: Poly-crystalline silicon
- **No. of Cells and Connections**: 60 in series
- **Open Circuit Voltage (Voc)**: 36.1 V
- **Maximum Power Voltage (Vmp)**: 28.71 V
- **Short Circuit Current (Isc)**: 8.13 A
- **Maximum Power Current (Ipm)**: 7.9 A
- **Rated Power (Pmax)**: 208 W (+10% / -5%)
- **Module Efficiency Maximum Power (θm)**: 12.8%
- **Maximum System Voltage**: 600 VDC
- **Series Fuse Rating**: 15 A
- **Type of Output Terminal**: Lead Wire with MC Connector

* (STC) Standard Test Conditions: 25°C, 1 kW/m², AM 1.5

### Mechanical Characteristics

- **Dimensions A x B x C** (below): 64.6” x 39.1” x 1.8” / 1640 mm x 994 mm x 46 mm
- **Weight**: 46.3 lbs / 21 kg
- **Size of Carton**: 68.3” x 43.2” x 4.5” / 1735 mm x 1097 mm x 114 mm
- **Carton Quantity**: 2 pcs per carton
- **Pallet Quantity**: 28 pcs per pallet
- **Loading Capacity (48 ft container)**: 448 pcs (16 pallets)
- **Loading Capacity (53 ft container)**: 476 pcs (17 pallets)

### Absolute Maximum Ratings

- **Operating Temperature (min to max, °F/°C)**: -40 to +194°F / -40 to +90°C
- **Storage Temperature (min to max, °F/°C)**: -40 to +194°F / -40 to +90°C

### IV Curves

Voltage (V) vs. Current (A) Characteristics

- **1000 W/m²**: Current vs. Voltage, Power vs. Voltage
- **800 W/m²**: Current vs. Voltage, Power vs. Voltage
- **600 W/m²**: Current vs. Voltage, Power vs. Voltage

Current, Power vs. Voltage Characteristics

- **Cell Temperature**: 25°C

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