

216 WATT

NEXT GENERATION. BREAKTHROUGH PERFORMANCE.

POLY-CRYSTALLINE SILICON PHOTOVOLTAIC MODULE WITH 216W MAXIMUM POWER

This poly-crystalline 216 watt module features 13.3% module efficiency for an outstanding balance of size and weight to power and performance. Reengineered frame includes a contoured edge to improve water management, reducing surface moisture and debris. The new back support bars allow better performance under mechanical load. Using breakthrough technology perfected by Sharp's 50 years of research and development. The ND-216U2 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-216U2 modules offer high power output per square foot of solar array.



FEATURES

- High-power module (216 W) using 156mm square poly-crystalline silicon solar cells with 13.3% 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)



Improved Frame Technology



Sharp multi-purpose modules offer outstanding performance for a variety of applications.

ELECTRICAL CHARACTERISTICS

Cell	Poly-crystalline silicon
No. of Cells and Connections	60 in series
Open Circuit Voltage (Voc)*	36.3 V
Maximum Power Voltage (Vpm)*	28.71 V
Short Circuit Current (Isc)	8.35 A
Maximum Power Current (Ipm)	7.53 A
Rated Power (Pmax)*	216 W (+10% / -5%)
Module Efficiency Maximum Power (η_m)	13.3%
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

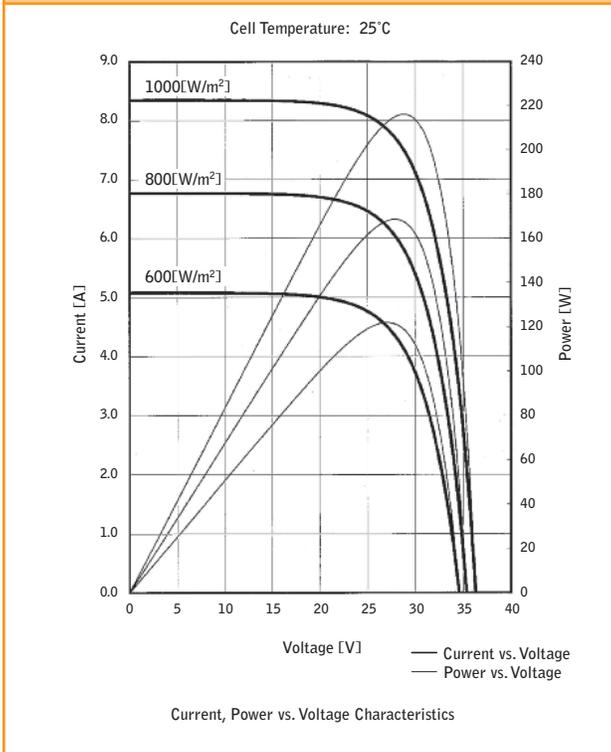
MECHANICAL CHARACTERISTICS

Dimensions (A x B x C below)	39.1" x 64.6" x 1.8" (994mm x 1640mm x 46mm)
Weight	44lbs / 20kg
Size of Carton	65.16" x 39.76" x 4.25" (1655mm x 1010mm x 108mm)
Carton Quantity	2 pcs per carton
Pallet Quantity	30 pcs per pallet

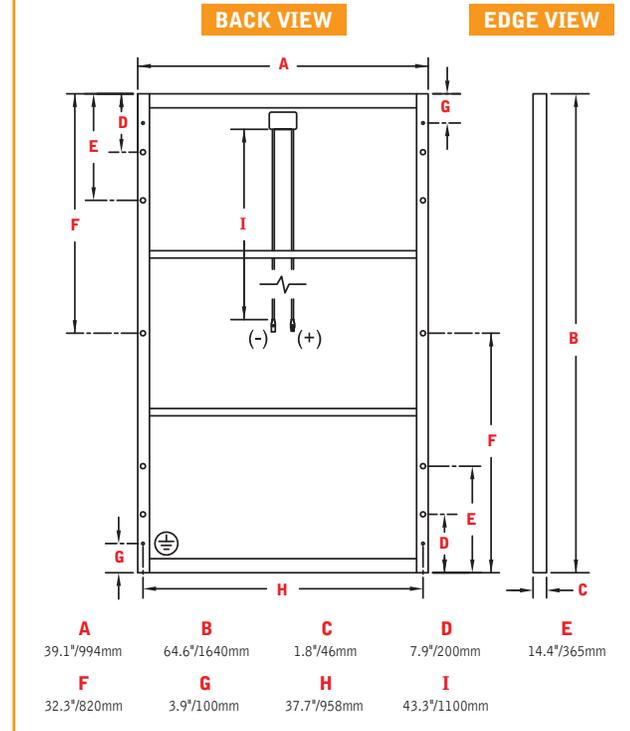
ABSOLUTE MAXIMUM RATINGS

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



DIMENSIONS



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