

170 WATT

HIGH-POWERED MODULE. SUPERIOR PERFORMANCE.

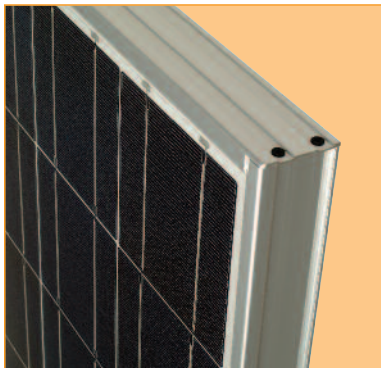
POLY-CRYSTALLINE SILICON PHOTOVOLTAIC MODULE WITH 170W MAXIMUM POWER

Sharp's NE-170U1 photovoltaic modules offer high-powered performance and industry-leading durability for large electrical power requirements. Reengineered frame includes a contoured edge to improve water management, reducing surface moisture and debris. The new back support bar allows better performance under mechanical load. Using breakthrough technology perfected by Sharp's 50 years of research and development, these modules incorporate an advanced surface texturing process to increase light absorption and improve efficiency. Common applications include office buildings, houses, cabins, solar powerstations, solar villages and traffic lights. Ideal for grid-connected systems and designed to withstand rigorous operating conditions, Sharp's NE-170U1 modules are the perfect combination of technology and reliability.



FEATURES

- High-power module (170W) using 126mm square poly-crystalline silicon solar cells with 13.1% 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 industry-leading performance for a variety of applications.

ELECTRICAL CHARACTERISTICS

Cell	Poly-crystalline silicon
No. of Cells and Connections	72 in series
Open Circuit Voltage (Voc)	43.2V
Maximum Power Voltage (Vpm)	34.8V
Short Circuit Current (Isc)	5.47A
Maximum Power Current (Ipm)	4.9A
Rated Power (Pmax)*	170W (+10% / -5%)
Module Efficiency (η_m)	13.10%
Maximum System Voltage	600VDC
Series Fuse Rating	10A
Type of Output Terminal	Lead wire with MC Connector

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

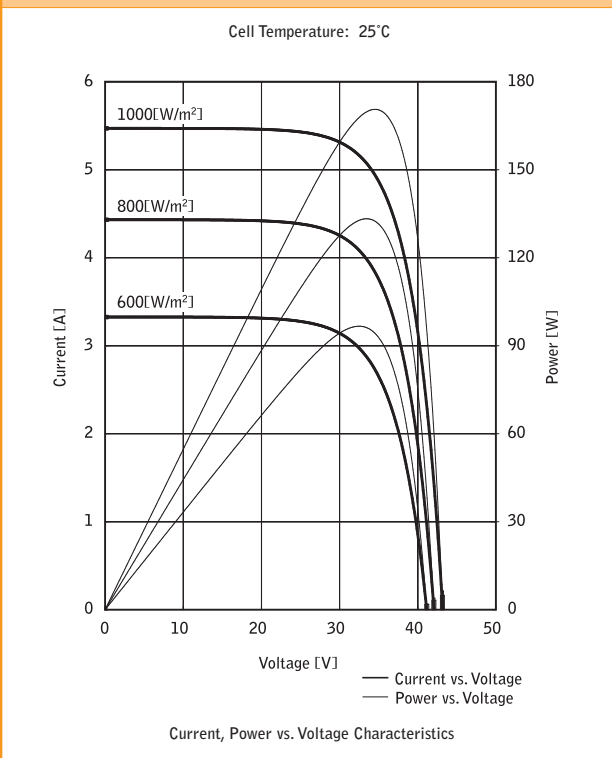
MECHANICAL CHARACTERISTICS

Dimensions (A x B x C below)	32.5" x 62.0" x 1.8" (826mm x 1575mm x 46mm)
Weight	35.3lbs / 16kg
Size of Carton	62.60" x 33.27" x 4.25" (1590mm x 845mm x 108mm)
Packing Configuration	2 pcs per carton
Pallet Quantity	30 pcs per pallet

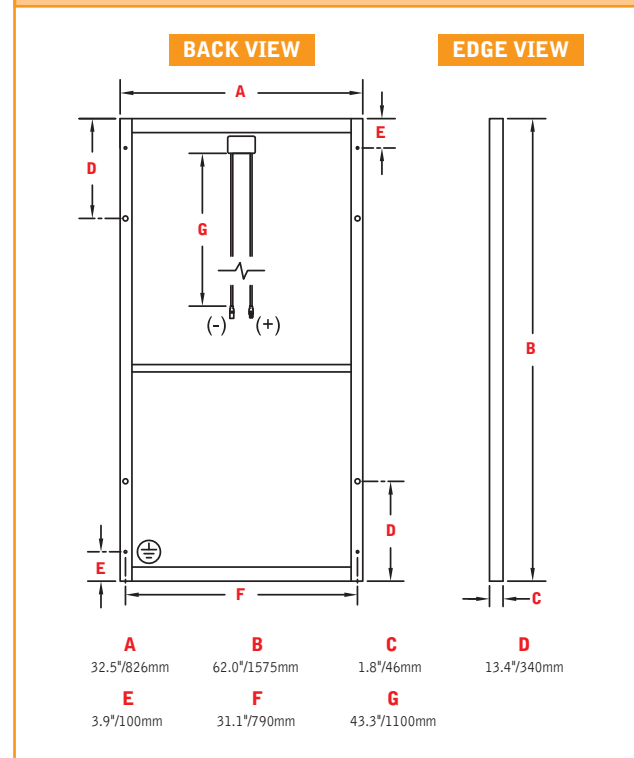
ABSOLUTE MAXIMUM RATINGS

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



Design and specifications are subject to change without notice.

Sharp is a registered trademark of Sharp Corporation. All other trademarks are property of their respective owners.

Sharp takes no responsibility for any defects that may occur in equipment using any Sharp devices.
Contact Sharp to obtain the latest product manuals before using any Sharp device.

