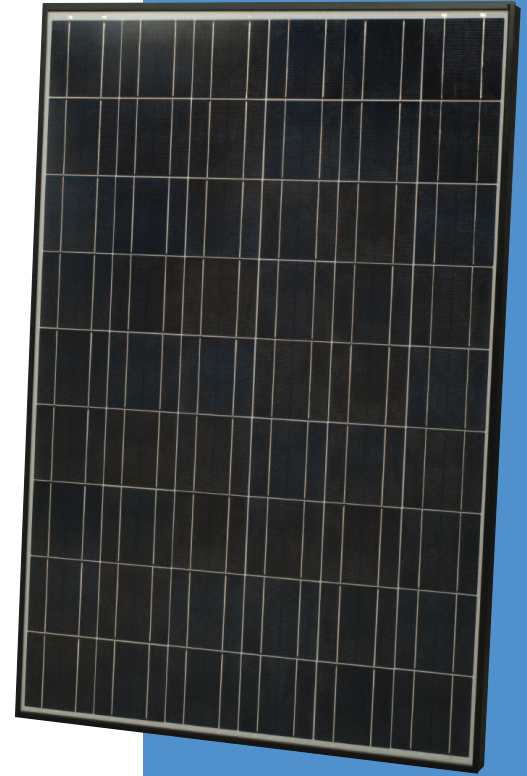


187 WATT

HIGH-POWER. EFFICIENT INSTALLATION.

POLY-CRYSTALLINE SILICON PHOTOVOLTAIC MODULE WITH 187W MAXIMUM POWER

These poly-crystalline 187 watt modules offer high-powered performance with an efficient design for quick and easy installation. Designed especially for use with Sharp's new racking system that requires less hardware and less labor to install, they're also compatible with standard mounting hardware. Using breakthrough technology perfected by Sharp's more than 45 years of research and development, these modules use a textured cell surface to increase light absorption and improve efficiency. Ideal for all sizes of residential and commercial grid-connected systems, they also offer improved aesthetics and durability under the most rigorous operating conditions. Sharp's ND-187U1 modules are the ideal combination of power, performance and efficiency.



Special side flanges mount easily and securely to Sharp's innovative new racking system



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

FEATURES

- High-power module (187W) using 156mm square poly-crystalline silicon solar cells 12.7% module conversion efficiency
- Bypass diode minimizes the power drop caused by shade
- Sharp's advanced surface texturing process increases light absorption and efficiency while providing a more subdued, "natural" look
- White tempered glass, EVA resin, and a weatherproof film, plus aluminum frame for extended outdoor use
- UL Listings: UL 1703, 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	54 in series
Open Circuit Voltage (Voc)	32.5V
Maximum Power Voltage (Vpm)	25.6V
Short Circuit Current (Isc)	8.13A
Maximum Power Current (Ipm)	7.3A
Rated Power (Pmax) *	187W (+10%/-5%)
Module Efficiency Maximum Power (η_m)	12.7%
Maximum System Voltage	600VDC
Series Fuse Rating	15A
Type of Output Terminal	Lead Wire with MC Connector

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

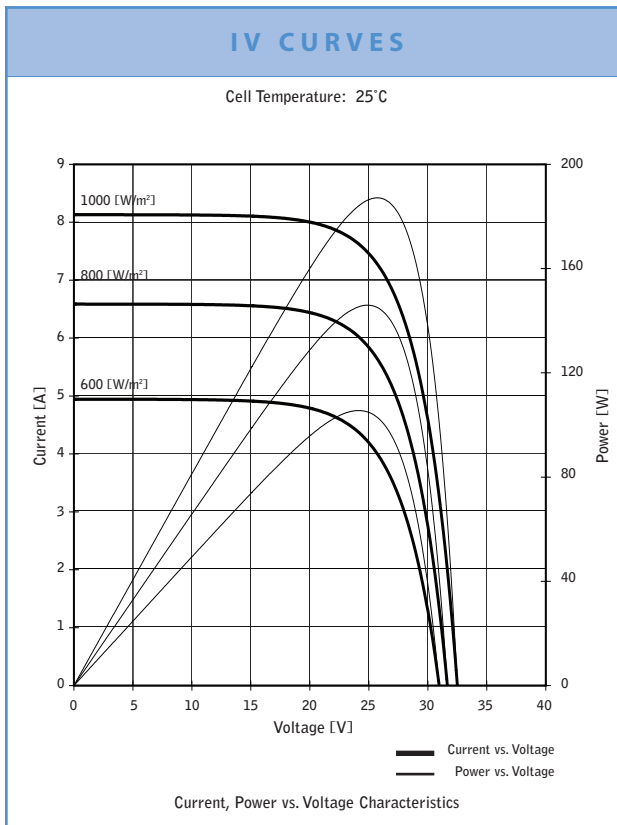
MECHANICAL CHARACTERISTICS

Dimensions (A x B x C below)	58.3" x 39.1" x 2.3" / 1481 x 994 x 57.5mm
Weight	39.6lbs / 18.0kg
Packing Configuration	2 pcs per carton
Size of Carton	62.5" x 43.0" x 5.5" / 1588 x 1092 x 140mm
Pallet Quantity	28 pcs per pallet
Loading Capacity (48 ft container)	448 pcs (16 pallets)
Loading Capacity (53 ft container)	504 pcs (18 pallets)

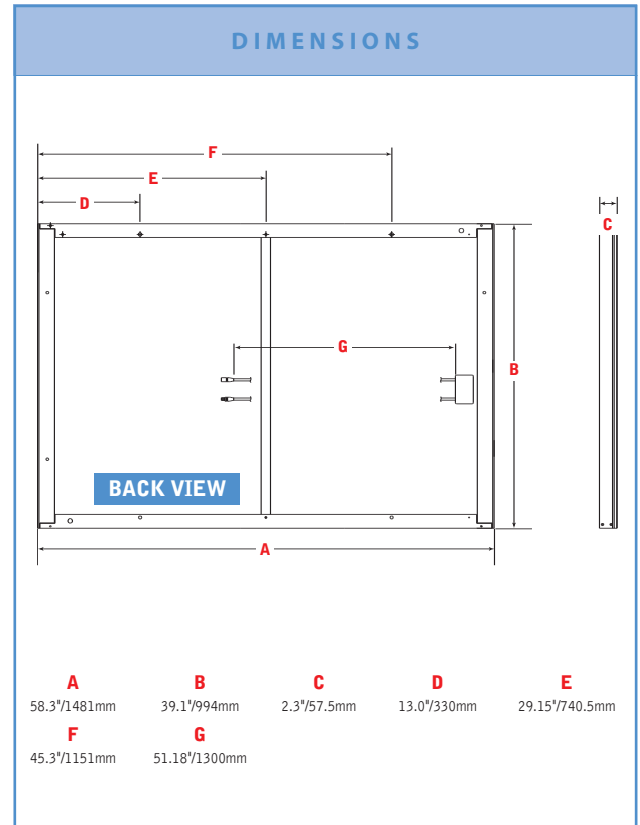
ABSOLUTE MAXIMUM RATINGS

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



DIMENSIONS



Specifications and design are subject to change without notice.

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.

