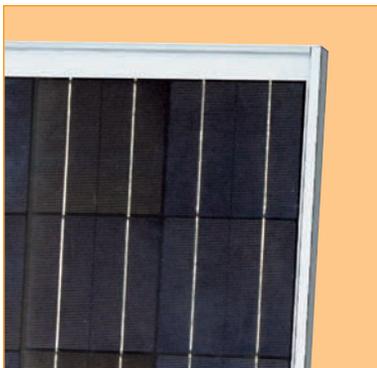


123 WATT

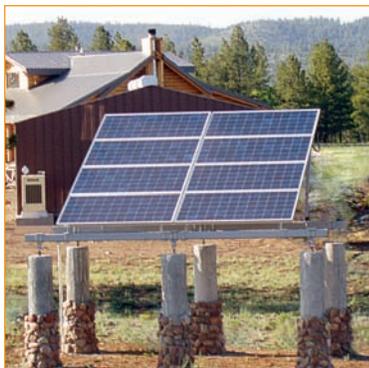
SUPERIOR DURABILITY. HIGH EFFICIENCY.

POLY-CRYSTALLINE SILICON PHOTOVOLTAIC MODULE WITH 123W MAXIMUM POWER

Sharp's ND-L3EJEA photovoltaic modules offer industry-leading performance, durability, and reliability for a variety of electrical power requirements. 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 cabins, solar power stations, pumps, beacons, and lighting equipment. Designed to withstand rigorous weather conditions, a junction box is also provided for easy electrical connections in the field, making Sharp's ND-L3EJEA modules the perfect combination of advanced technology and reliability.



Solder-coated grid results in high fill factor performance under low light conditions.



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

FEATURES

- High-power module (123W) using 155mm square poly-crystalline silicon solar cells with 12.39% 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 laminate, plus aluminum frame for extended outdoor use
- Junction box for easy electrical connections in the field
- Nominal 12VDC output for battery charging applications
- 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 | 36 in series |
| Open Circuit Voltage (Voc) | 21.3V |
| Maximum Power Voltage (Vpm) | 17.2V |
| Short Circuit Current (Isc) | 8.04A |
| Maximum Power Current (Ipm) | 7.16A |
| Maximum Power (Pmax)* | 123W (+10% / -5%) |
| Module Efficiency (ηm) | 12.39% |
| Maximum System Voltage | 600VDC |
| Series Fuse Rating | 15A |
| Type of Output Terminal | Junction Box |

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

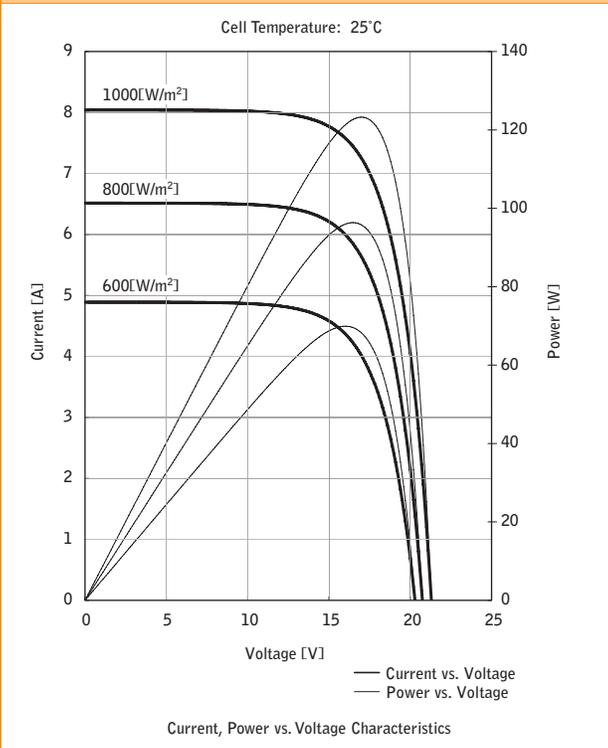
MECHANICAL CHARACTERISTICS

| | |
|------------------------------------|---|
| Dimensions (H x W x D) | 59.02" x 26.06" x 1.81" 1499mm x 662mm x 46mm |
| Weight | 30.86lbs / 14.0kg |
| Packing Configuration | 2 pcs per carton |
| Size of Carton | 62.99" x 30.71" x 5.12" 1600mm x 780mm x 130mm |
| Loading Capacity (20 ft container) | 196 pcs (98 cartons) |
| Loading Capacity (40 ft container) | 420 pcs (210 cartons) |

ABSOLUTE MAXIMUM RATINGS

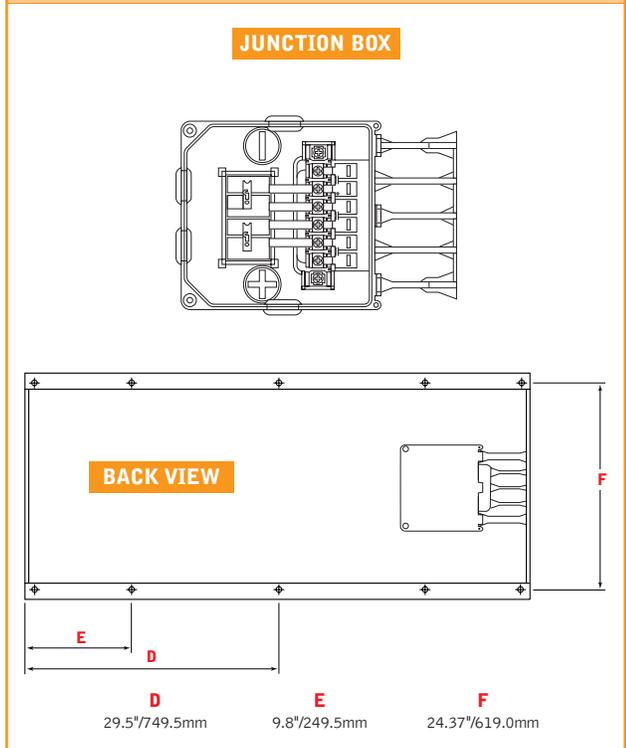
| | |
|-----------------------|------------------------------|
| Operating Temperature | -40 to +194°F / -40 to +90°C |
| Storage Temperature | -40 to +194°F / -40 to +90°C |

IV CURVES



Design and specifications are subject to change without notice.

DIMENSIONS



In the absence of confirmation by product manuals, 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.

