

## **123 WATT**

SUPERIOR DURABILITY, HIGH EFFICIENCY.

## POLY-CRYSTALLINE SILICON PHOTOVOLTAIC MODULE WITH 123W MAXIMUM POWER

Sharp's ND-123UJF 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-123UJF modules the perfect combination of advanced technology and reliability.



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



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



## **FEATURES**

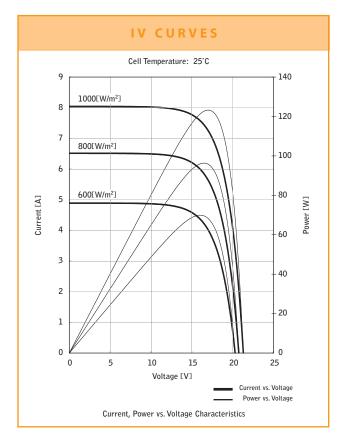
- High-power module (123W)
   using 156mm square poly crystalline silicon solar cells with
   12.39% module conversion
   efficiency
- Sharp's advanced surface texturing process increases light absorption and efficiency while providing a more subdued,"natural" look
- Bypass diodes minimize the power 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)

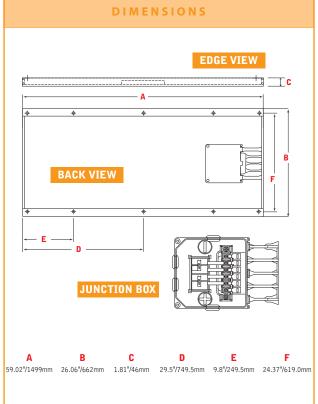
36 in series
JO III SCITES
21.8V
17.2V
7.99A
7.15A
123W (+10%/-5%)
12.39%
600VDC
15A
-

MECHANICAL CHARACTERISTICS	
59.02" x 26.06" x 1.81" / 1499 x 662 x 46mm	
30.86lbs / 14.0kg	
62.99"x 30.71"x 5.12" / 1600 x 780 x 130mm	
2 pcs per carton	
196 pcs (98 pallets)	
420 pcs (210 pallets)	

ABSOLUTE M	AXIMUM RATINGS
Operating Temperature	-40 to 194°F / -40 to 90°C
Storage Temperature	-40 to 194°F / -40 to 90°C

<sup>\* (</sup>STC) Standard Test Conditions:  $25^{\circ}$ C,  $1 \text{ kW/m}^2$ , AM 1.5





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Contact Sharp to obtain the latest product manuals before using any Sharp device.





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