

# SHARP®

solar electricity

## 123 WATT

OFF GRID MODULE



**ND-123UJF**

OFF GRID 123 WATT MODULE  
FROM THE WORLD'S TRUSTED  
SOURCE FOR SOLAR.

Using breakthrough technology, made possible by nearly 50 years of proprietary research and development, Sharp's ND-123UJF solar module incorporates 36 155 mm square solar cells with an advanced surface texturing process to increase light absorption and improve efficiency. Common applications include cabins, solar power stations, pumps, beacons, and lighting equipment.

You have many manufacturers to choose from when considering solar for your home or business. Partner with us to see why Sharp is a global leader in solar technology.

#### **ENGINEERING EXCELLENCE**

Module offers industry-leading performance for a variety of electrical power requirements.

#### **DURABLE**

Designed and tested to withstand rigorous weather conditions.

#### **RELIABLE**

25-year limited warranty on power output.

#### **HIGH PERFORMANCE**

Solar cells have an advanced surface texturing process to increase light absorption and improve efficiency.



Sharp off grid modules offer industry-leading performance for a variety of applications.



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

#### **SHARP: THE NAME TO TRUST**

When you choose Sharp, you get more than well-engineered products. You also get Sharp's proven reliability, outstanding customer service and the assurance of our 25-year limited warranty. A global leader in solar electricity, Sharp powers more homes and businesses than any other solar manufacturer worldwide.

**BECOME POWERFUL**

# 123 WATT

## ND-123UJF

### ELECTRICAL CHARACTERISTICS

Maximum Power (Pmax)*	123 W
Tolerance of Pmax	+10%/-5%
Type of Cell	Polycrystalline silicon
Cell Configuration	36 in series
Open Circuit Voltage (Voc)	21.8 V
Maximum Power Voltage (Vpm)	17.2 V
Short Circuit Current (Isc)	7.99 A
Maximum Power Current (Ipm)	7.15 A
Module Efficiency (%)	12.39%
Maximum System (DC) Voltage	600 V
Series Fuse Rating	15 A
NOCT	47.5°C
Temperature Coefficient (Pmax)	-0.485%/°C
Temperature Coefficient (Voc)	-0.36%/°C
Temperature Coefficient (Isc)	0.053%/°C

\*Measured at (STC) Standard Test Conditions: 25°C, 1 kW/m<sup>2</sup> insolation, AM 1.5

### MECHANICAL CHARACTERISTICS

Dimensions (A x B x C below)	26.1" x 59.0" x 1.8"/662 x 1499 x 46 mm
Type of Output Terminal	Junction Box
Weight	30.9 lbs / 14.0 kg
Max Load	50 psf (2400 Pascals)

### QUALIFICATIONS

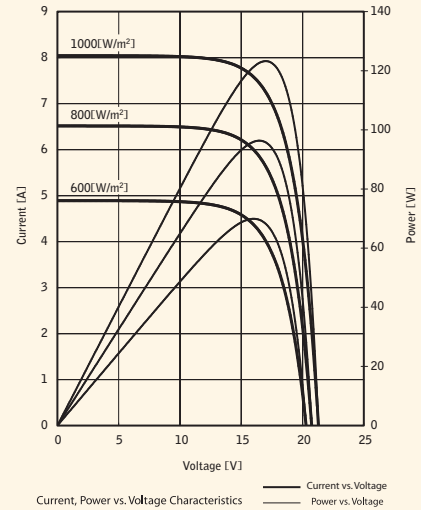
UL Listed	UL 1703
Fire Rating	Class C
FM	NI CL1 DIV2 GPS A, B, C, D



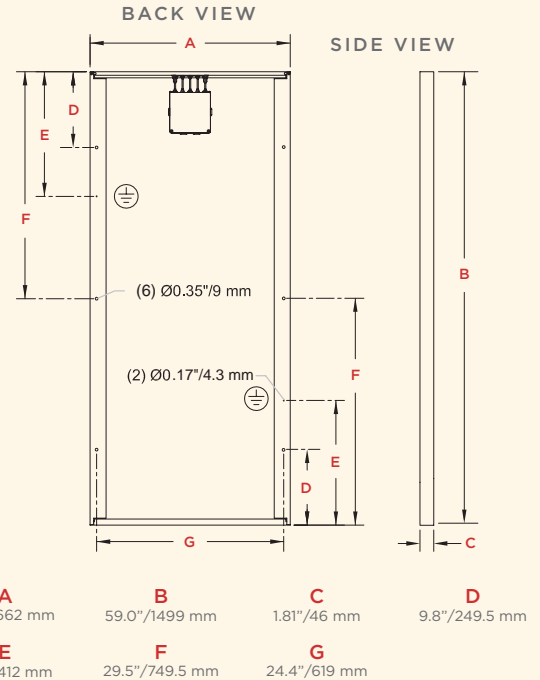
### WARRANTY

25-year limited warranty  
Contact Sharp for complete warranty information

### IV CURVES



### DIMENSIONS



Contact Sharp for tolerance specifications

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SHARP ELECTRONICS CORPORATION  
5901 Bolsa Avenue, Huntington Beach, CA 92647  
1-800-SOLAR-06 • Email: [sharpsolar@sharpusa.com](mailto:sharpsolar@sharpusa.com)  
[www.sharpusa.com/solar](http://www.sharpusa.com/solar)



1-800-967-6917

[www.solardepot.com](http://www.solardepot.com) | [www.dcpower-systems.com](http://www.dcpower-systems.com)