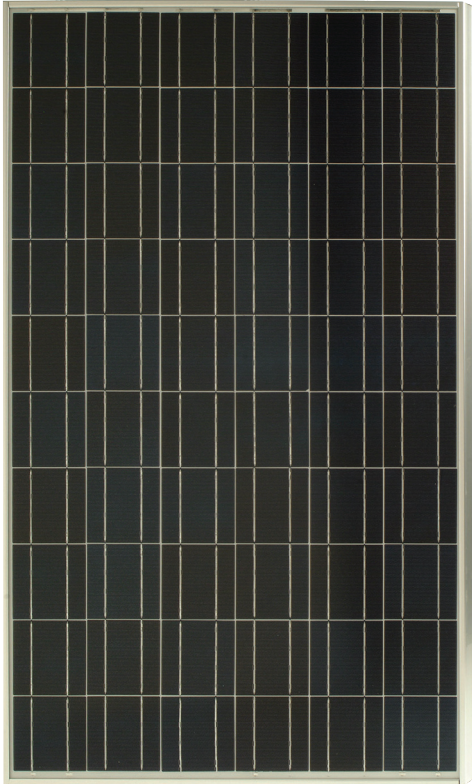




solar electricity

250 WATT

MULTI-PURPOSE MODULE



ND-250HAC

MULTI-PURPOSE 250 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-250HAC solar module incorporates an advanced surface texturing process to increase light absorption and improve efficiency. Common applications include commercial and residential grid-tied roof systems as well as ground mounted arrays. Designed to withstand rigorous operating conditions, this module offers high power output per square foot of solar array.

Business leaders install this module in large commercial applications, demonstrating financial astuteness and environmental stewardship.

ENGINEERING EXCELLENCE

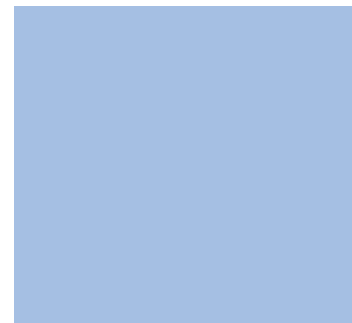
High module efficiency for an outstanding balance of size and weight to power and performance.

DURABLE

Tempered glass, EVA lamination and weatherproof backskin provide long-life and enhanced cell performance.

HIGH PERFORMANCE

This module uses an advanced surface texturing process to increase light absorption and improve efficiency.



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

Improved Frame Technology

SHARP: THE NAME TO TRUST

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

BECOME POWERFUL

250 WATT

ND-250HAC

ELECTRICAL CHARACTERISTICS


Maximum Power (Pmax)*	250 W
Tolerance of Pmax	-5%/+10%
Type of Cell	Polycrystalline silicon
Cell Configuration	60 in series
Open Circuit Voltage (Voc)	38.3 V
Maximum Power Voltage (Vpm)	29.8 V
Short Circuit Current (Isc)	8.9 A
Maximum Power Current (Ipm)	8.4 A
Module Efficiency (%)	15.2%
Maximum System (DC) Voltage	1000 V
Series Fuse Rating	15 A
NOCT	46.2°C
Temperature Coefficient (Pmax)	-0.439%/°C
Temperature Coefficient (Voc)	-0.321%/°C
Temperature Coefficient (Isc)	0.050%/°C

*Illumination of 1 kW/m² (1 sun) at spectral distribution of AM 1.5 (ASTM E892 global spectral irradiance) at a cell temperature of 25°C.

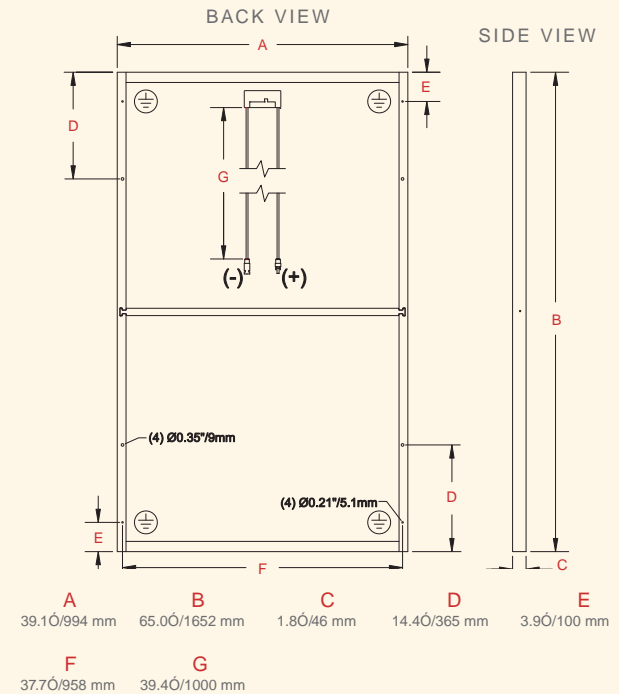
MECHANICAL CHARACTERISTICS

Dimensions (A x B x C below)	39.10 x 65.00 x 1.80/994 x 1652 x 46 mm
Cable Length (G)	39.40/1000 mm
Output Interconnect Cable	PV1-F with SMK Locking Connector
Weight	41.9 lbs / 19.0 kg
Max Load	50 psf (2400 Pascals)
Operating Temperature (cell)	-40 to 194°F / -40 to 90°C

QUALIFICATIONS

IEC Listed	IEC 61215	
Fire Rating	Class C	
Application Class	Class A	

DIMENSIONS



Contact Sharp for tolerance specifications.

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SHARP®