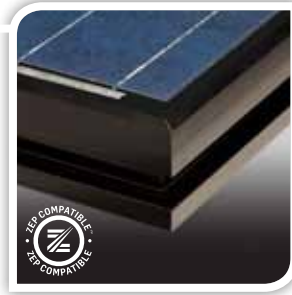


SHARP®

solar electricity

235 WATT

RESIDENTIAL MODULE



ND-F2Q235 SunSnap™

RESIDENTIAL 235 WATT SUNSNAP™ MODULE FROM THE WORLD'S TRUSTED SOURCE FOR SOLAR.

The 235 Watt SunSnap™ module is the power generating component of the new SunSnap™ solar appliance. This powerful residential module is the perfect combination of high performance and design. Sharp's robust Zep Compatible frame design enables rail-free mounting, drastically reducing installation hassles. Everything from the positioning, to the mounting, to the wiring has been streamlined and simplified, so it all comes together quickly and easily, substantially reducing labor costs. Versatile enough to permit installation on nearly any kind of roof, the 235 Watt SunSnap™ module is the newest innovation in Sharp's residential product offerings.

The next evolution in frame design makes installation a snap, literally.... saving serious time and money.

NO NEED FOR MOUNTING RAILS

With a series of drop-in and quarter-turn connections, the 235 Watt SunSnap™ module installs faster than conventional modules. The robust Zep Compatible frame avoids the need for mounting rails and enables theft resistant, auto grounding connections.

ADVANCED AESTHETICS

Sleek, black frame and matching black backskin provides an elegant appearance that blends beautifully with your home's roofline.

POSITIVE POWER TOLERANCE

Count on Sharp to deliver all the watts you pay for with a positive only power tolerance of +5% (+11.75 W).

RELIABLE

The 235 Watt SunSnap™ module is covered by both the Sharp 10-year limited warranty on materials or workmanship as well as the 25-year limited warranty on power output.

"BUY AMERICAN"

Designed in Camas, WA and manufactured in Memphis, TN from imported and domestic parts.



Robust black frame improves aesthetics for residential roof top applications.



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

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 both our 10-year limited warranty on materials or workmanship as well as the 25-year limited warranty on power output. With over 50 years experience in solar and over 4.3 GW of installed capacity, Sharp has a proven legacy as a trusted name in solar.

BECOME POWERFUL

235 WATT

ND-F2Q235

Module output cables: 12 AWG PV Wire (per UL Subject 4703)

ELECTRICAL CHARACTERISTICS

Maximum Power (Pmax)*	235 W
Tolerance of Pmax	+5%/-0%
Type of Cell	Polycrystalline silicon
Cell Configuration	60 in series
Open Circuit Voltage (Voc)	37.4 V
Maximum Power Voltage (Vpm)	29.2 V
Short Circuit Current (Isc)	8.59 A
Maximum Power Current (Ipm)	8.05 A
Module Efficiency (%)	14.4%
Maximum System (DC) Voltage	600 V
Series Fuse Rating	15 A
NOCT	47.5°C
Temperature Coefficient (Pmax)	-0.485%/°C
Temperature Coefficient (Voc)	-0.351%/°C
Temperature Coefficient (Isc)	0.053%/°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 to the right)	39.1" x 64.6" x 2.1"/994 x 1640 x 53 mm
Cable Length (F)	43.3"/1100 mm
Output Interconnect Cable**	12 AWG with SMK Locking Connector
Weight	46.7 lbs / 21.2 kg
Max Load	50 psf (2400 Pascals)
Operating Temperature (cell)	-40 to 194°F / -40 to 90°C

**Intertek recognized for mating with MC-4 connectors (part numbers PV-KST4; PV-KBT4)

QUALIFICATIONS

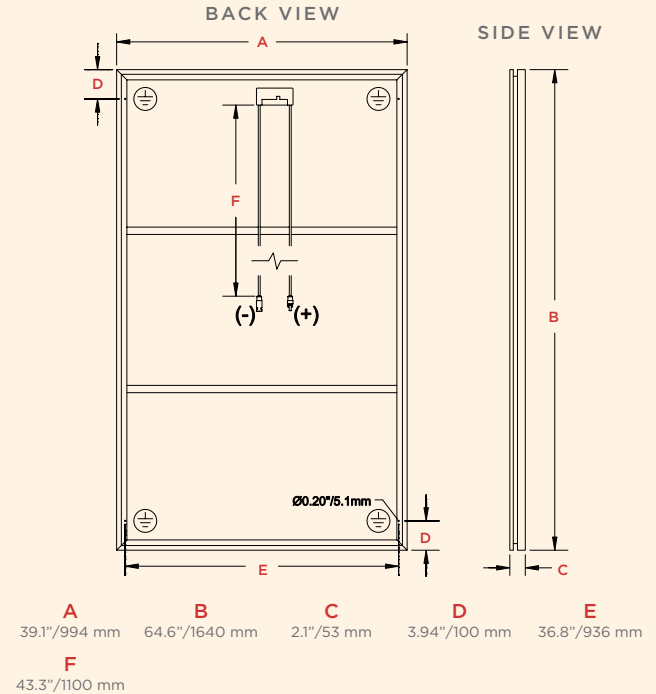
UL Listed	UL 1703	
Fire Rating	Class C	

WARRANTY

25-year limited warranty on power output
Contact Sharp for complete warranty information

Design and specifications are subject to change without notice.
Sharp is a registered trademark of Sharp Corporation. All other trademarks are property of their respective owners.

DIMENSIONS



Contact Sharp for tolerance specifications

ISO QUALITY & ENVIRONMENTAL MANAGEMENT

Sharp solar modules are manufactured in ISO 9001:2000 and ISO 14001:2004 certified facilities.

"BUY AMERICAN"

Sharp solar modules are manufactured in the United States and Japan, and qualify as "American" goods under the "Buy American" clause of the American Recovery and Reinvestment Act (ARRA).



SHARP®

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