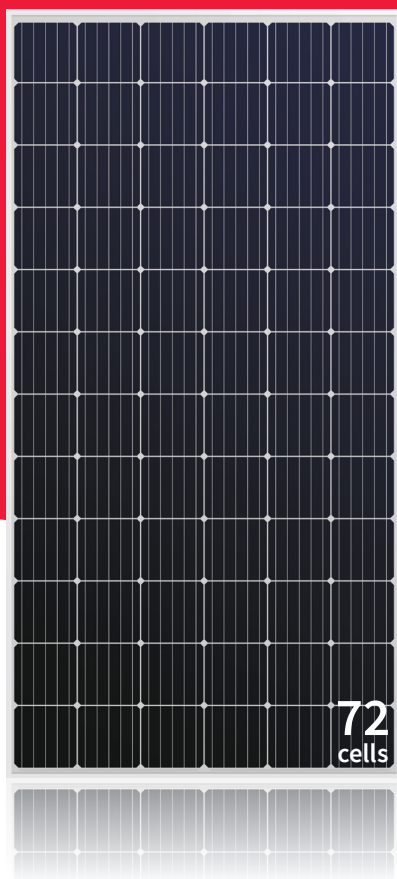


NU-AF370

NU-AF Series

370 W

The Project Solution



Powerful product features



Guaranteed positive power tolerance (0/+5%)



Monocrystalline silicon photovoltaic modules



Robust product design



Tested and certified
VDE, IEC/EN61215, IEC/EN61730



Safety class II / CE
Application class A



Fire rating class C
MCS accredited product



PERC technology
High module efficiency 19.0%



Portrait or landscape mounting



5 busbar technology
Improved reliability
Higher efficiency
Reduced series resistance

Your solar partner for life



60 years of solar expertise



Linear power output guarantee



Local support team in Europe



Product guarantee



50 million PV modules installed



Top PV brand award



Energy Solutions

SHARP
Be Original.

Electrical data (STC)

NU-AF370

Maximum power	P_{max}	370	W_p
Open-circuit voltage	V_{oc}	48.82	V
Short-circuit current	I_{sc}	9.87	A
Voltage at point of maximum power	V_{mpp}	39.66	V
Current at point of maximum power	I_{mpp}	9.33	A
Module efficiency	η_m	19.0	%

STC = Standard Test Conditions: irradiance 1,000 W/m², AM 1.5, cell temperature 25 °C.

Rated electrical characteristics are within ±10% of the indicated values of I_{sc} , V_{oc} and 0 to +5% of P_{max} (power measurement tolerance ±3%).

Reduction of efficiency from an irradiance change of 1,000 W/m² to 200 W/m² ($T_{module} = 25$ °C) is less than 3%.

Electrical data (NMOT)

NU-AF370

Maximum power	P_{max}	276.5	W_p
Open-circuit voltage	V_{oc}	46.27	V
Short-circuit current	I_{sc}	8.0	A
Voltage at point of maximum power	V_{mpp}	37.02	V
Current at point of maximum power	I_{mpp}	7.47	A

NMOT = Nominal Module Operating Temperature: 45 °C, irradiance 800 W/m², air temperature of 20 °C, wind speed of 1 m/s.

Mechanical data

Length	1,960 mm
Width	992 mm
Depth	40 mm
Weight	22.5 kg

Temperature coefficient

P_{max}	-0.375%/°C
V_{oc}	-0.273%/°C
I_{sc}	0.037%/°C

Limit values

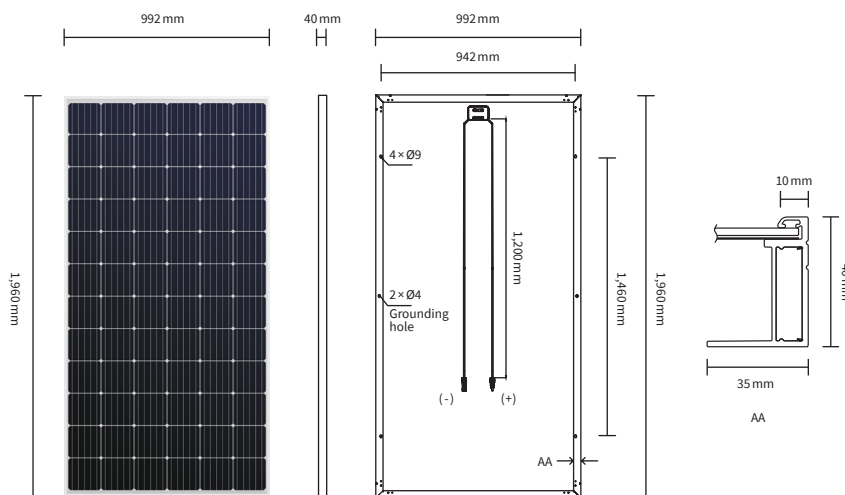
Maximum system voltage	1,000 VDC
Over-current protection	15 A
Temperature range	-40 to +85 °C
Max. mechanical load (snow / wind)	2,400 Pa

Tested snow load (IEC61215 test pass*) 5,400 Pa

Packaging data

Modules per pallet	27 pcs
Pallet size (L × W × H)	2.000 m × 1.050 m × 1.280 m
Pallet weight	650 kg

Dimensions (mm)



*Please refer to Sharp's installation manual for details.

General data

Cells	Monocrystalline silicon 157 mm × 157 mm, 72 cells in series
Front glass	Anti-reflective high transmissive low iron tempered glass, 3.2 mm
Frame	Anodized aluminium alloy, silver
Connection box	IP67 rating, 3 bypass diodes
Cable	Diameter 4.0 mm ² , length 1,200 mm
Connector	MC4 (Multi Contact, Stäubli)

Note: Technical data is subject to change without prior notice. Before using Sharp products, please request the latest data sheets from Sharp. Sharp accepts no responsibility for damage to devices which have been equipped with Sharp products on the basis of unverified information. The specifications may deviate slightly and are not guaranteed. Installation and operating instructions are to be found in the corresponding handbooks, or can be downloaded from www.sharp.eu. This module should not be directly connected to a load.