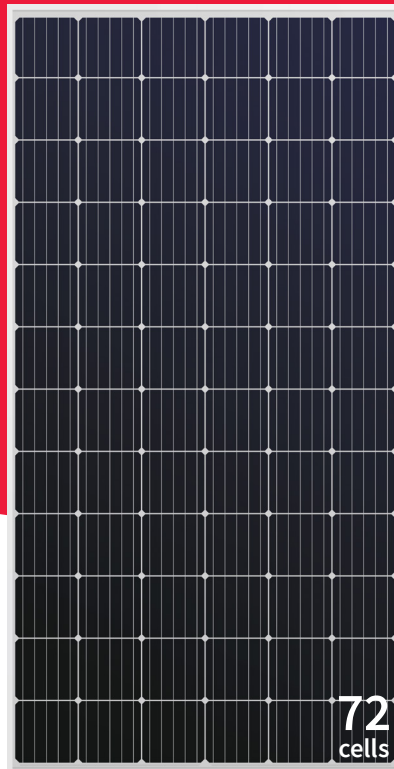


NU-AF370

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



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



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 ($T_{module}=25^{\circ}C$) 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 |

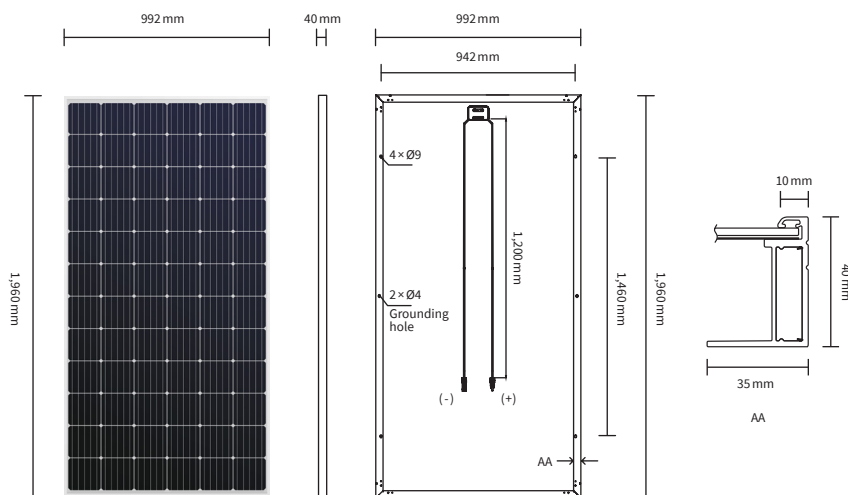
Limit values

| | |
|--|---------------|
| 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 x W x H) | 2.000 m x 1.050 m x 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 x 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) |