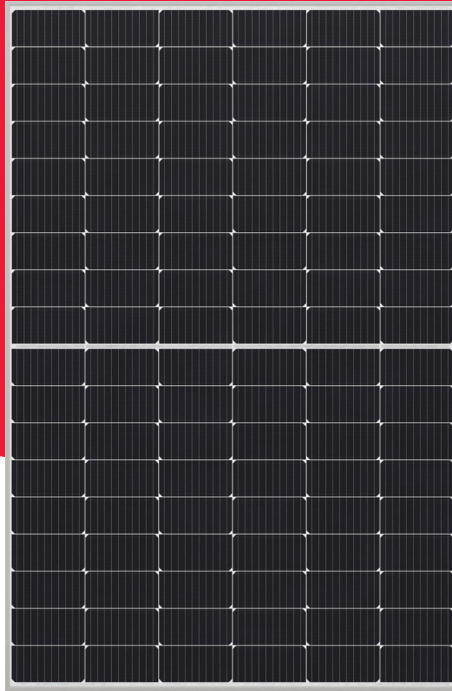


NU-JC Series

NU-JC410

410 W

The High Performer



Powerful product features



Guaranteed positive power tolerance (0/+5 %)



High module efficiency 21.0 %
PERC monocrystalline silicon photovoltaic modules

MBB MBB busbar technology

Improved reliability
Higher efficiency
Reduced series resistance



Half-cut cell
Improved shading performance
Lower internal losses
Reduced hot spot risk



Tested and certified
VDE, IEC/EN61215, IEC/EN61730
CE
Safety class II, CE
Fire rating class C



Robust product design
PID resistance test passed
Salt mist test passed (IEC61701)
Ammonia test passed (IEC62716)
Dust and sand test passed (IEC60068)

Your solar partner for life



60 years of solar expertise



Linear power output guarantee



Product guarantee



Local support team in Europe



50 million PV modules installed



Tier 1 - BloombergNEF



Energy Solutions

SHARP
Be Original.

* Applicable for modules installed within the EU and additional listed countries.
Please check the guarantee conditions for your area before purchasing.

Electrical data (STC)

| NU-JC410 | | | |
|-----------------------------------|-----------|-------|-------|
| Maximum power | P_{max} | 410 | W_p |
| Open-circuit voltage | V_{oc} | 37.79 | V |
| Short-circuit current | I_{sc} | 13.81 | A |
| Voltage at point of maximum power | V_{mpp} | 31.3 | V |
| Current at point of maximum power | I_{mpp} | 13.1 | A |
| Module efficiency | η_m | 21.0 | % |

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} .
 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-JC410 | | | |
|-----------------------------------|-----------|--------|-------|
| Maximum power | P_{max} | 307.55 | W_p |
| Open-circuit voltage | V_{oc} | 35.81 | V |
| Short-circuit current | I_{sc} | 11.2 | A |
| Voltage at point of maximum power | V_{mpp} | 29.18 | V |
| Current at point of maximum power | I_{mpp} | 10.54 | A |

NMOT = Nominal Module Operating Temperature: 42.5 °C, irradiance 800 W/m², air temperature of 20 °C, wind speed of 1 m/s.

Mechanical data

| | |
|--------|----------|
| Length | 1,722 mm |
| Width | 1,134 mm |
| Depth | 35 mm |
| Weight | 21.8 kg |

Temperature coefficient

| | |
|-----------|-------------|
| P_{max} | -0.341 %/°C |
| V_{oc} | -0.262 %/°C |
| I_{sc} | 0.054 %/°C |

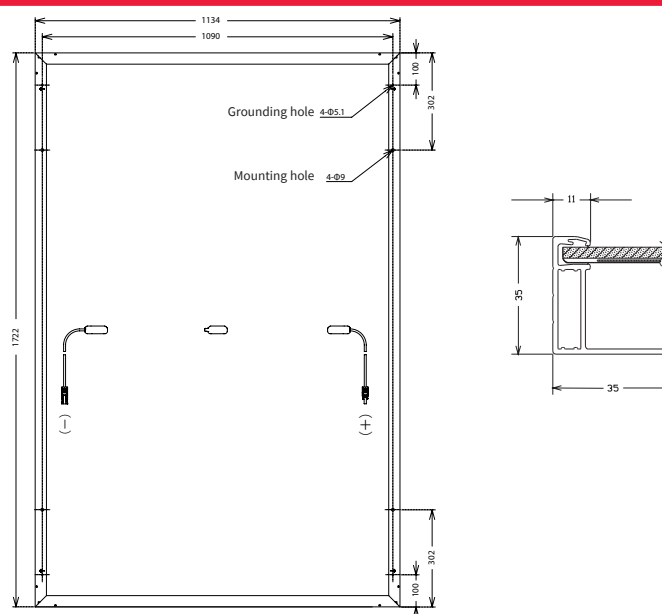
Limit values

| | |
|--|--------------|
| Maximum system voltage | 1,000 V DC |
| Over-current protection | 25 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 | 31 pcs |
| Pallet size (L × W × H) | 1.78 m × 1.15 m × 1.25 m |
| Pallet weight | Approx. 715 kg |

Dimensions (mm)



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

General data

| | |
|----------------|--|
| Cells | Half-cut cell mono, 182 mm x 91 mm, MBB, 2 strings of 54 cells in series |
| Front glass | Anti-reflective high transmissive low iron tempered glass, 3.2 mm |
| Frame | Anodized aluminium alloy, silver |
| Backsheet | White |
| Cable | Ø 4.0 mm ² , length 1,250 mm |
| Connection box | IP68 rating, 3 bypass diodes |
| Connector | MC4 (Multi Contact, Stäubli), IP68 |