

SHARP

NU-RJ280 | 280 W
NU-RJ285 | 285 W

The high performer (RJ)
280/285 W
Mono



For your independence

Take advantage of solar panels + battery solutions for maximum independence



55 years of solar expertise



Guaranteed positive power tolerance (0/+5 %)



Top PV brand award



Proven Quality
TÜV, IEC/EN61215, IEC/EN61730
Safety class II/CE
Application class A
DIN EN 13501-1 (class E)



Monocrystalline silicon photovoltaic modules



Made in Germany



Product guarantee



Linear power output guarantee



Robust product design
Ammonia test passed (DLG focus test)
Salt mist test passed (IEC61701)

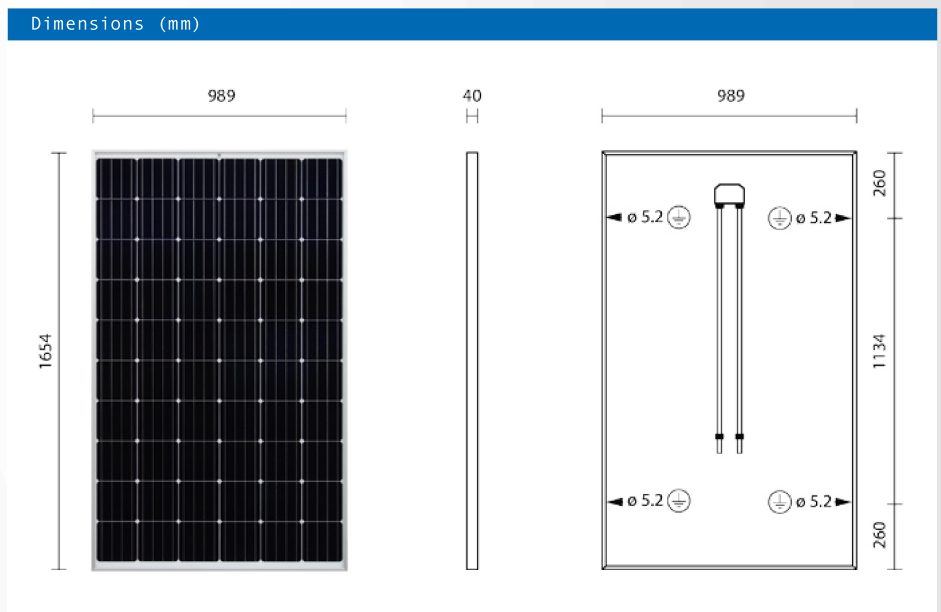
| Electrical data (STC) | | | | |
|-----------------------------------|-----------|----------|----------|-------|
| | | NU-RJ285 | NU-RJ280 | |
| Maximum power | P_{max} | 285 | 280 | W_p |
| Open-circuit voltage | V_{oc} | 38.25 | 38.15 | V |
| Short-circuit current | I_{sc} | 9.60 | 9.50 | A |
| Voltage at point of maximum power | V_{mpp} | 31.65 | 31.55 | V |
| Current at point of maximum power | I_{mpp} | 9.09 | 8.98 | A |
| Module efficiency | η_m | 17.4 | 17.1 | % |

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 Isc, Voc and 0 to +5% of Pmax (power measurement tolerance ±3%).
 Reduction of efficiency from an irradiance of 1,000 W/m² to 200 W/m² (Tmodule = 25 °C) is less than 4%.

| Electrical data (NOCT) | | | | |
|-----------------------------------|-----------|----------|----------|-------|
| | | NU-RJ285 | NU-RJ280 | |
| Maximum power | P_{max} | 212.2 | 208.9 | W_p |
| Open-circuit voltage | V_{oc} | 35.35 | 35.26 | V |
| Short-circuit current | I_{sc} | 7.76 | 7.68 | A |
| Voltage at point of maximum power | V_{mpp} | 29.11 | 29.02 | V |
| Current at point of maximum power | I_{mpp} | 7.29 | 7.20 | % |

NOCT: Module operating temperature at 800 W/m² irradiance, air temperature of 20 °C, wind speed of 1 m/s. NOCT = 46 °C.

| Mechanical data | |
|-----------------|----------|
| Length | 1,654 mm |
| Width | 989 mm |
| Depth | 40 mm |
| Weight | 18.2 kg |



| Temperature coefficient | |
|-------------------------|-------------|
| P_{max} | -0.442 %/°C |
| V_{oc} | -0.329 %/°C |
| I_{sc} | 0.042 %/°C |

| Limit values | |
|--|---------------|
| Maximum system voltage | 1,000 V DC |
| 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 |

| General data | |
|----------------|---|
| Cells | monocrystalline, 156 mm × 156 mm, 60 cells in series |
| Front glass | low iron tempered glass, 3.2 mm |
| Frame | anodized aluminium alloy, silver |
| Connection box | PPE+PS resin, IP67 Rating, 90 × 72 × 16 mm, 3 bypass diodes |
| Cable | PV1-f cable 4.0 mm, length 1,000 mm |
| Connector | MC4 |

| Packaging data | |
|-------------------------|--------------------------|
| Modules per pallet | 22 pcs |
| Pallet size (L × W × H) | 1.70 m × 1.03 m × 1.25 m |
| Pallet weight | 420 kg |

Empower yourself

www.sharp.eu

SHARP

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Contact Installer

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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/solar. This module should not be directly connected to a load.

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