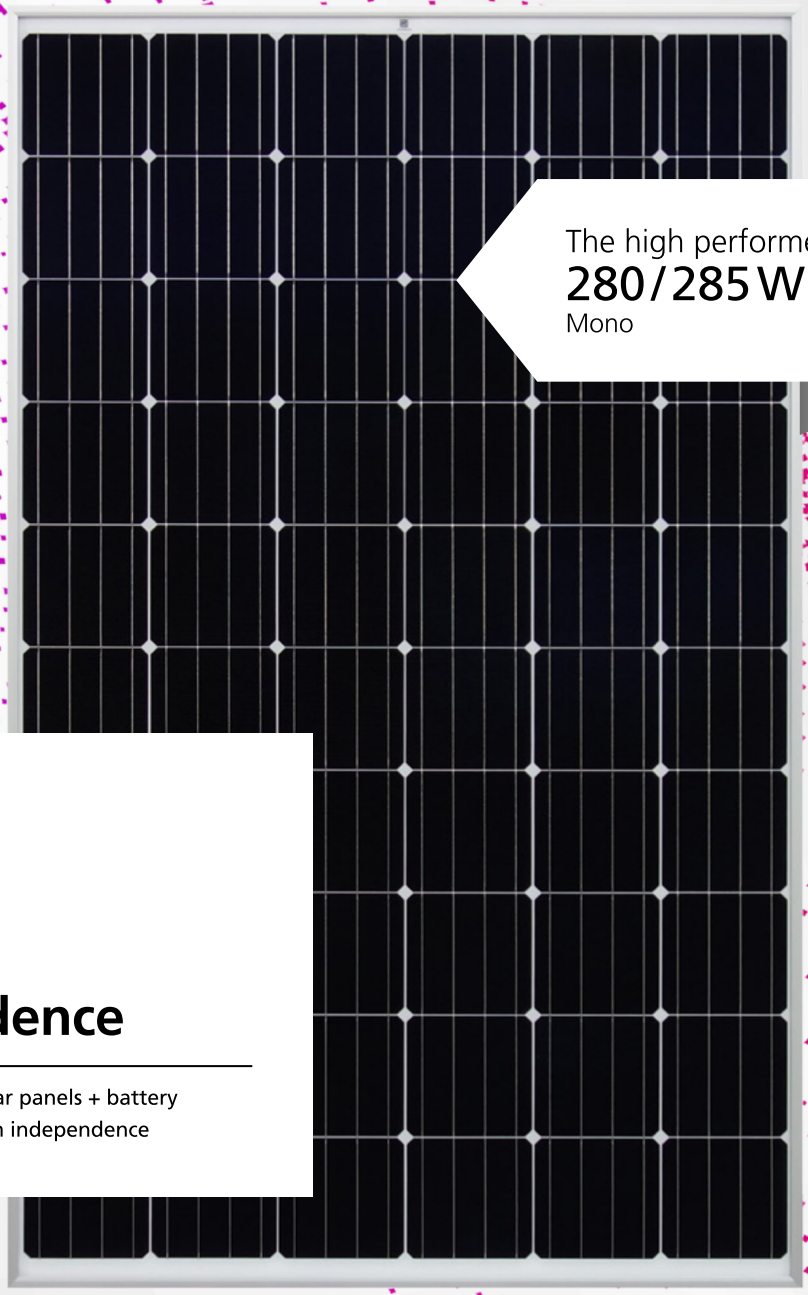
SHARP

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
- 10 YEARS Product guarantee
- 25 YEARS 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

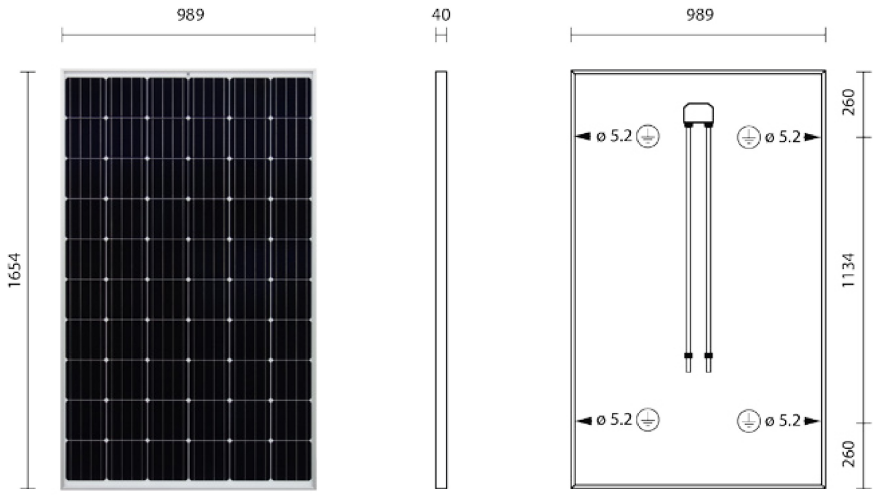
Temperature coefficient

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

Dimensions (mm)



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

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

Contact Sharp
SHARP ENERGY SOLUTIONS EUROPE
A DIVISION OF SHARP ELECTRONICS (EUROPE) LTD.
SONNINSTR.3
20097 HAMBURG
GERMANY
T: +49(0)40/2376-2436
F: +49(0)40/2376-2193

Contact Installer

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