

The high performer (RC)
300 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 %)



Made in Germany



Top PV brand award



Proven Quality
VDE (IEC/EN 61215, IEC/EN61730)
Safety Class II / CE
MCS accredited product
ISO 9001 / ISO 14001



Monocrystalline silicon photovoltaic modules



Product guarantee



Linear power output guarantee



18.3 % module efficiency



Robust product design (PID resistance)

Electrical data (STC)

NU-RC300

Maximum power	P_{max}	300	W_p
Open-circuit voltage	V_{oc}	39.4	V
Short-circuit current	I_{sc}	9.97	A
Voltage at point of maximum power	V_{mpp}	31.2	V
Current at point of maximum power	I_{mpp}	9.63	A
Module efficiency	η_m	18.3	%

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 of 1,000 W/m² to 200 W/m² ($T_{module} = 25 °C$) is less than 2%.

Electrical data (NOCT)

NU-RC300

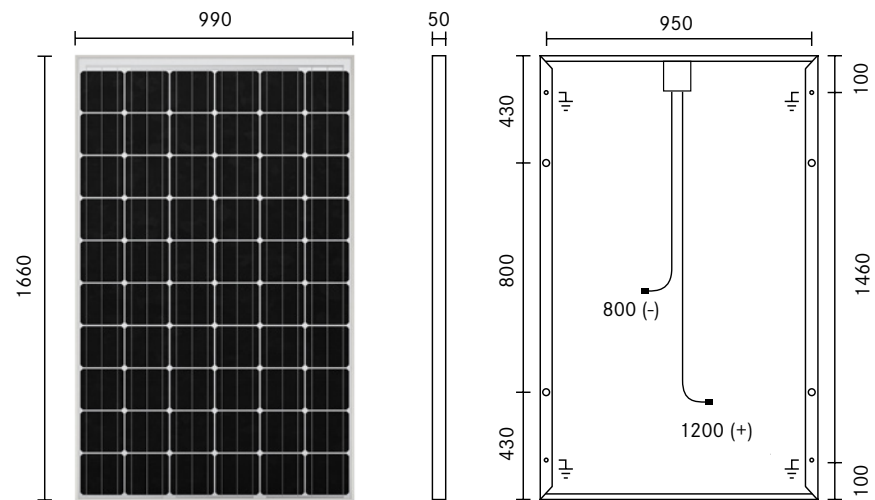
Maximum power	P_{max}	220	W_p
Open-circuit voltage	V_{oc}	36.3	V
Short-circuit current	I_{sc}	8.07	A
Voltage at point of maximum power	V_{mpp}	28.5	V
Current at point of maximum power	I_{mpp}	7.72	A
Module efficiency	η_m	16.7	%

Electrical values measured under nominal operating conditions of cells : 800 W/m² irradiance, air temperature of 20 °C, wind speed of 1 m/s. NOCT : 48 °C (nominal operating cell temperature).

Mechanical data

Length	1,660 mm
Width	990 mm
Depth	50 mm
Weight	20 kg

Dimensions (mm)



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

Temperature coefficient

P_{max}	-0.40 %/°C
V_{oc}	-0.29 %/°C
I_{sc}	0.05 %/°C

Limit values

Maximum system voltage	1,000 V
Over-current protection	20 A
Temperature range	-40 bis 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/PPO resin, IP67 Rating, 148 x 123 x 27 mm, 3 bypass diodes
Cable	CE cable, length 1,200 mm (+), 800 mm (-)
Connector	MC4

Packaging data

Modules per pallet	22 pcs
Pallet size (L × W × H)	1.2 m × 1.0 m × 1.85 m
Pallet weight	approx. 477 kg
Modules packed in one carton	22 pcs



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