

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	$\eta_m$	18.3	%

STC = Standard Test Conditions: irradiance 1,000 W/m<sup>2</sup>, 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/m<sup>2</sup> to 200 W/m<sup>2</sup> ( $T_{module} = 25 °C$ ) is less than 2%.

## Electrical data (NOCT)

### NU-RC300

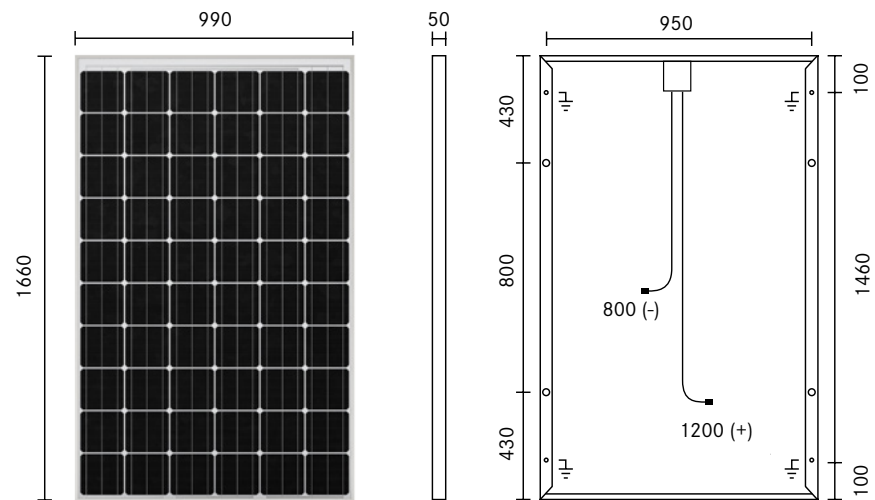
Maximum power	$P_{max}$	220	$W_p$
Open-circuit voltage	$V_{oc}$	36.3	V
Short-circuit current	$I_{sc}$	8.07	A
Voltage at point of maximum power	$V_{mpp}$	28.5	V
Current at point of maximum power	$I_{mpp}$	7.72	A
Module efficiency	$\eta_m$	16.7	%

Electrical values measured under nominal operating conditions of cells : 800 W/m<sup>2</sup> 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



Empower yourself

[www.sharp.eu](http://www.sharp.eu)

**SHARP**

## Contact Sharp

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## Contact Installer

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