

SHARP

NU-RC290 | 290 W

The high performer
290 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 performance guarantee



17.6 % module efficiency



Robust product design
(PID resistance)

Electrical data (at STC)			
NU-RC290			
Maximum power	P_{max}	290	W_p
Open-circuit voltage	U_{oc}	39.3	V
Short-circuit current	I_{sc}	9.8	A
Voltage at point of maximum power	U_{mpp}	31.3	V
Current at point of maximum power	I_{mpp}	9.25	A
Module efficiency	η_m	17.6	%

STC = Standard Test Conditions: irradiance 1,000 W/m², AM 1.5, cell temperature 25 °C.

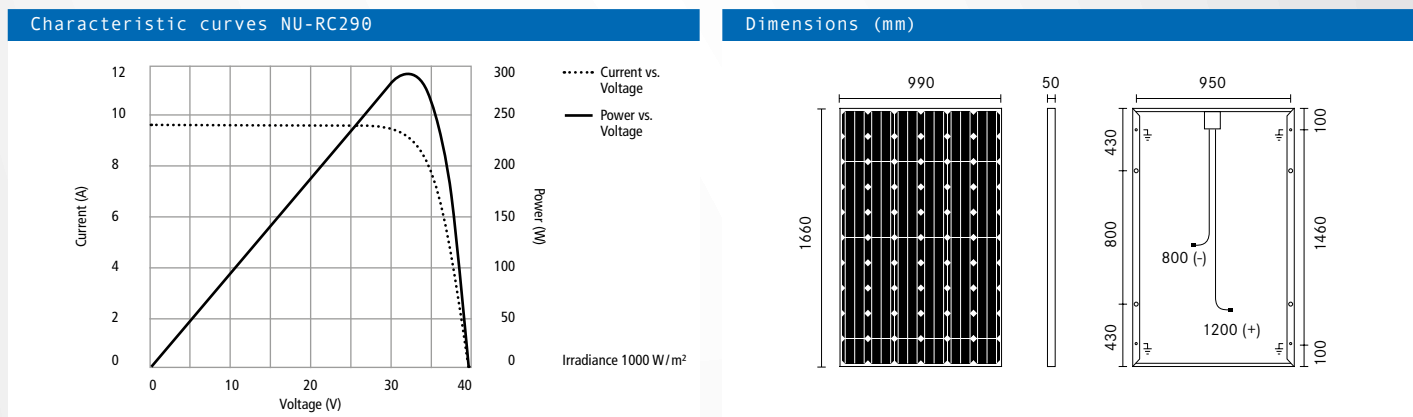
Rated electrical characteristics are within $\pm 10\%$ of the indicated values of I_{sc} , U_{oc} , and 0 to +5 % of P_{max} (power measurement tolerance $\pm 3\%$).

Electrical data (at NOCT)			
NU-RC290			
Maximum power	P_{max}	212	W_p
Open-circuit voltage	U_{oc}	36.2	V
Short-circuit current	I_{sc}	7.93	A
Voltage at point of maximum power	U_{mpp}	28.4	V
Module efficiency	η_m	16.1	%

NOCT: Module operating temperature at 800 W/m² irradiance, air temperature of 20 °C, AM 1.5, wind speed of 1 m/s. NOCT: 48°C

Limit values		Mechanical data		Temperature coefficient	
Maximum system voltage	1,000 V	Length	1,660 mm	P_{max}	-0.40 %/°C
Over-current protection	20 A	Width	990 mm	U_{oc}	-0.29 %/°C
Temperature range	-40 to 85° C	Depth	50 mm	I_{sc}	0.05 %/°C
Max. mechanical load (snow/wind)	2,400 Pa	Weight	20 kg		
Tested snow load (IEC61215 test pass*)	5,400 Pa				

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



General data		Packaging data	
Cells	monocrystalline, 156 mm × 156 mm, 60 cells in series	Modules per palette	22 pcs
Front glass	low iron tempered glass, 3.2 mm	Palette size (L × W × H)	1.2 m × 1.0 m × 1.85 m
Frame	anodized aluminium alloy, silver	Palette weight	approx. 490 kg
Connection box	PPE/PPO resin, IP65 Rating, 109 x 110 x 13.7 mm, 3 bypass diodes	Modules packed in one carton	22 pcs
Cable	CE cable, length 1,200 mm (+), 800 mm (-)		
Connector	MC4		

Empower yourself

www.sharp.eu

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

Local responsibility: **Benelux** SolarInfo.seb@sharp.eu, **France** SolarInfo.fr@sharp.eu, **Germany** SolarInfo.de@sharp.eu, **Poland** energy-info.pl@sharp.eu
Spain & Portugal SolarInfo.es@sharp.eu, **United Kingdom** SolarInfo.uk@sharp.eu, **Other countries** SolarInfo.Europe@sharp.eu

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.