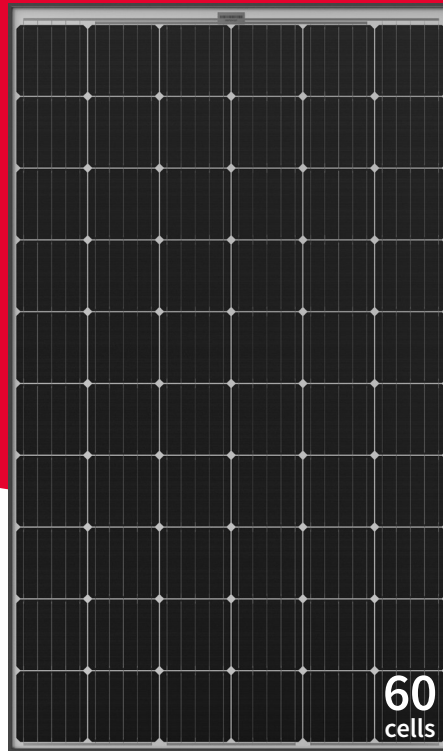


NU-RC315D/NU-RC310D

NU-RC (D) Series

315 W / 310 W

The High Performer



Powerful product features



Made in Germany



Guaranteed positive power tolerance (0/+5%)



5 busbar technology
Improved reliability
Higher efficiency
Reduced series resistance



Tested and certified
VDE, IEC/EN61215, IEC/EN61730



Safety class II / CE
Application class A



Fire rating class C



PERC technology
High module efficiency 19.2%



Monocrystalline silicon photovoltaic modules



Portrait or landscape mounting



Robust product design
PID resistance test passed
Salt mist test passed (IEC61701)

Your solar partner for life



60 years of solar expertise



Linear power output guarantee



Local support team in Europe



Product guarantee



50 million PV modules installed



Top PV brand award



Energy Solutions

SHARP

Be Original.

Electrical data (STC)

		NU-RC315D	NU-RC310D	
Maximum power	P_{max}	315	310	W_p
Open-circuit voltage	V_{oc}	40.1	39.9	V
Short-circuit current	I_{sc}	10.10	10.02	A
Voltage at point of maximum power	V_{mpp}	33.1	32.8	V
Current at point of maximum power	I_{mpp}	9.60	9.51	A
Module efficiency	η_m	19.2	18.9	%

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 (NMOT)

		NU-RC315D	NU-RC310D	
Maximum power	P_{max}	235	231	W_p
Open-circuit voltage	V_{oc}	37.5	37.3	V
Short-circuit current	I_{sc}	8.14	8.07	A
Voltage at point of maximum power	V_{mpp}	30.7	30.4	V
Current at point of maximum power	I_{mpp}	7.66	7.59	A

Electrical values measured under nominal module operating conditions: 800 W/m² irradiance, air temperature of 20 °C, wind speed of 1 m/s. NMOT: 44.5 °C (nominal module operating conditions).

Mechanical data

Length	1,660 mm
Width	990 mm
Depth	42 mm
Weight	19 kg

Temperature coefficient

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

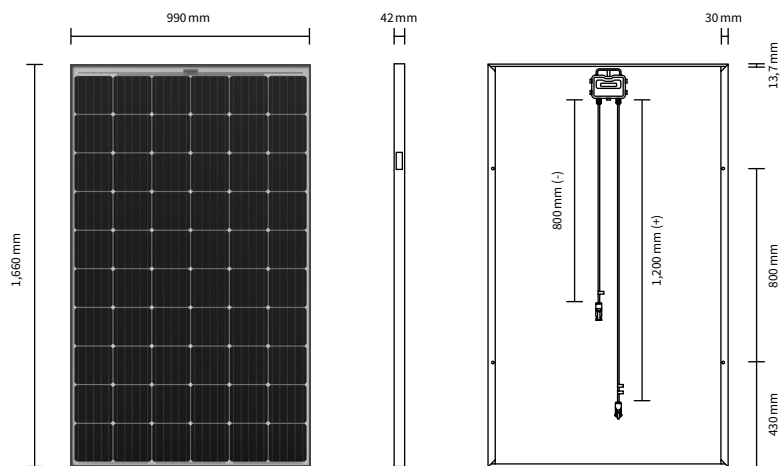
Limit values

Maximum system voltage	1,000 VDC
Over-current protection	20 A
Temperature range	-40 to 85 °C
Max. mechanical load (snow/wind)	2,400 Pa
Tested snow load (IEC61215 test pass*)	5,400 Pa

Packaging data

Modules per pallet	26 pcs
Pallet size (L × W × H)	1.2 m × 1.0 m × 1.86 m
Pallet weight	approx. 519 kg

Dimensions (mm)



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

General data

Cells	monocrystalline Si, 156.75 mm × 156.75 mm, 60 cells in series
Front glass	anti-reflective high transmissive low iron tempered glass, 3.2 mm
Frame	anodized aluminium alloy, black
Backsheet	white
Connection box	IP67 Rating, 148 mm × 123 mm × 27 mm, 3 bypass diodes
Cable	length 1,200 mm (+), 800 mm (-)
Connector	MC4 (Multi Contact, Stäubli Electrical Connectors AG)

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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