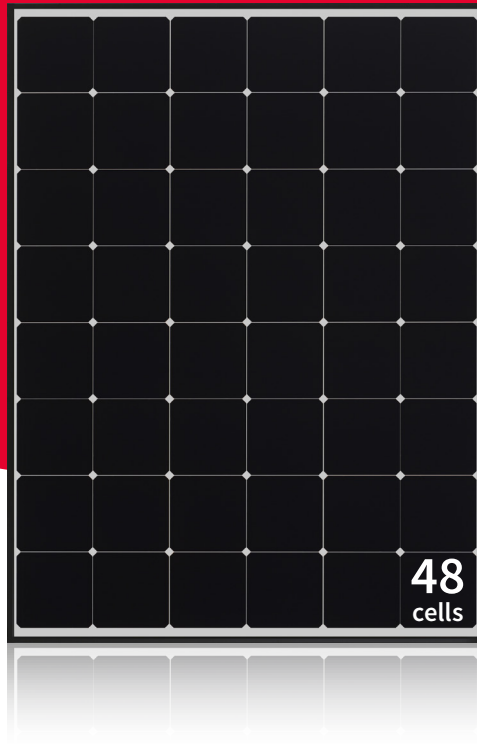


NQ-R258H

NQ-R Series | 258 W

The Record Holder

Best in Class Efficiency: 20%



Main product features



Flexible installation
Short or long side clamping
Portrait or landscape mounting



Robust product design
2 extra support bars
Cell based on copper foundation
5,400 Pa tested snow load



20% module efficiency



Proven quality
VDE (IEC/EN 61215, IEC/EN61730)



Back Contact technology
More efficient conversion of solar radiation by placing the contacts on the back of the monocrystalline cell.



Perfect appearance
Antireflective surface



Safety class II / CE



Good Design Award



Application class A
DIN EN 13501-1 (class E)



Made in Japan

Buy from the solar pioneer



59 years of solar expertise



Linear power output guarantee



Local support team in Europe



Product guarantee



50 million PV modules installed



Top PV brand award



SHARP
Be Original.

Electrical data (STC)

NQ-R258H

Maximum power	P_{max}	258.4	W_p
Open-circuit voltage	V_{oc}	32.79	V
Short-circuit current	I_{sc}	9.95	A
Voltage at point of maximum power	V_{mpp}	27.79	V
Current at point of maximum power	I_{mpp}	9.3	A
Module efficiency	η_m	20.0	%

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

Rated electrical characteristics are within ±10% of the indicated values of I_{sc} , V_{oc} and -1 to +3% of P_{max} (power measurement tolerance ±3%).

Reduction of efficiency from an irradiance of 1,000W/m² to 200W/m² ($T_{module} = 25^\circ C$) is less than 5%.

Electrical data (NOCT)

NQ-R258H

Maximum power	P_{max}	188.8	W_p
Open-circuit voltage	V_{oc}	30.3	V
Short-circuit current	I_{sc}	8.06	A
Voltage at point of maximum power	V_{mpp}	25.5	V

Electrical values measured under nominal operating conditions of cells : 800W/m² irradiance, air temperature of 20°C, wind speed of 1 m/s. NOCT : 47.9 °C (nominal operating cell temperature).

Mechanical data

Length	1,318 mm
Width	980 mm
Depth	46 mm
Weight	17 kg

Temperature coefficient

P_{max}	-0.377 %/°C
U_{oc}	-0.095 V/°C
I_{sc}	0.053 %/°C

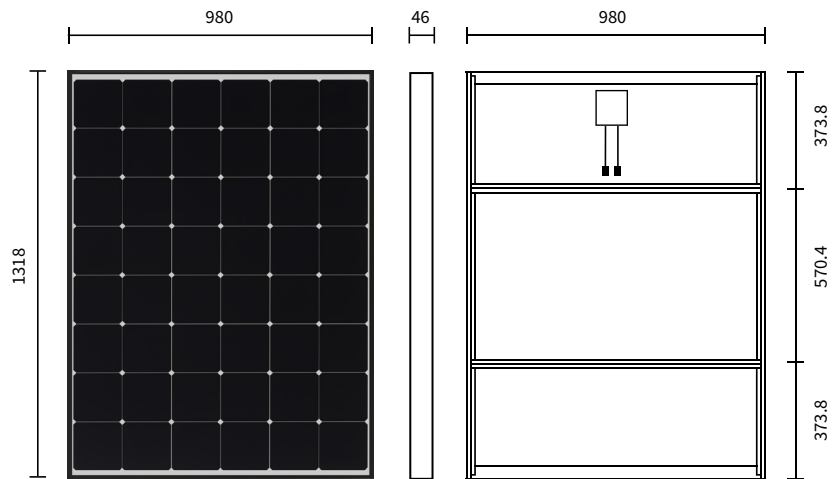
Limit values

Maximum system voltage	1000 VDC
Over-current protection	15 A
Temperature range	-40 to 90° 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 x W x H)	1.02 m x 1.35 m x 1.52 m
Pallet weight	approx. 490 kg

Dimensions (mm)



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

General data

Cells	monocrystalline Si, 157 mm x 157 mm, back contact, 48 cells in series
Front glass	anti-reflective high transmissive low iron tempered glass, 3 mm
Frame	anodized aluminium alloy, black
Connection box	PPE/PPO resin, IP65 rating, 3 bypass diodes
Cable	H1Z2Z2-K cable 4.0 mm, length 1,000 mm
Connector	SMK, type PV-03 series, IP67 rating. To extend the module connection leads only use SMK connector from the same series

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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