

SHARP

ND-RB270 | 270 W
ND-RB275 | 275 W

The reliable solution (RB)
270/275W
Poly



For your independence

Take advantage of solar panels + battery solutions for maximum independence



55 years of solar expertise



Guaranteed positive power tolerance (0/+5 %)



Top PV brand award



Proven Quality
TÜV, IEC/EN61215, IEC/EN61730
Safety class II / CE
Application class A
DIN EN 13501-1 (class E)



Polycrystalline silicon photovoltaic modules



Product guarantee



Linear power output guarantee



Robust product design
Ammonia test passed (IEC62716)
Salt mist test passed (IEC61701)

Electrical data (STC)

		ND-RB275	ND-RB270	
Maximum power	P_{max}	275	270	W_p
Open-circuit voltage	V_{oc}	38.5	38.4	V
Short-circuit current	I_{sc}	9.25	9.18	A
Voltage at point of maximum power	V_{mpp}	31.1	30.9	V
Current at point of maximum power	I_{mpp}	8.84	8.73	A
Module efficiency	η_m	16.8	16.5	%

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%).

Electrical data (NOCT)

		ND-RB275	ND-RB270	
Maximum power	P_{max}	204	200	W_p
Open-circuit voltage	V_{oc}	35.6	35.5	V
Short-circuit current	I_{sc}	7.47	7.41	A
Voltage at point of maximum power	V_{mpp}	29.0	28.7	V
Current at point of maximum power	I_{mpp}	7.03	6.97	A

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 : 44 °C (nominal operating cell temperature)

Mechanical data

Length	1,650 mm
Width	992 mm
Depth	35 mm
Weight	18.6 kg

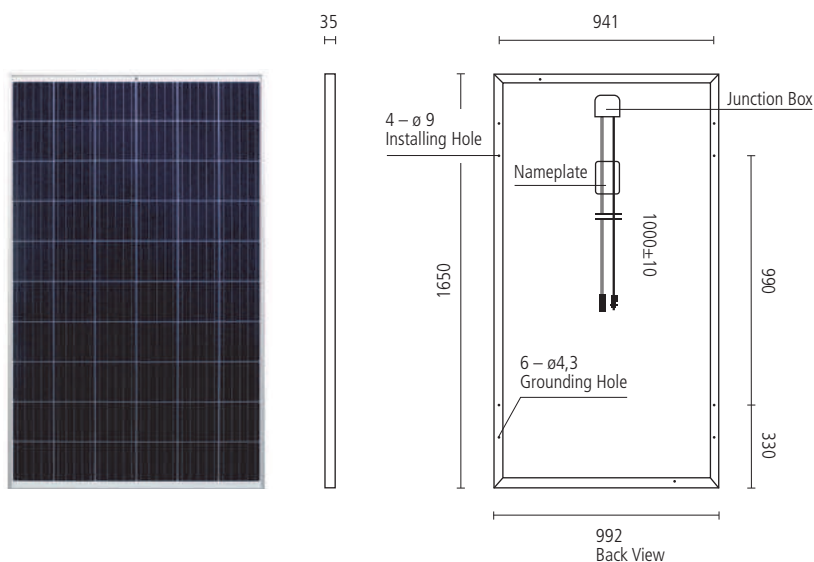
Temperature coefficient

P_{max}	-0.41 %/°C
V_{oc}	-0.32 %/°C
I_{sc}	0.05 %/°C

Limit values

Maximum system voltage	1,000 V _{DC}
Over-current protection	15 A
Temperature range	-40 to +85 °C
Max. mechanical load (snow/wind)	2,400 Pa
Tested snow load (IEC61215 test pass*)	5,400 Pa

Dimensions (mm)



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

General data

Cells	polycrystalline Si, 156 mm x 156 mm, 60 cells in series
Front glass	low iron tempered glass, 3.2 mm AR coated
Frame	anodized aluminium alloy, silver
Connection box	PPE+PS resin, IP67 Rating, 3 bypass diodes
Cable	CE cable 4.0 mm, length 1,000 mm
Connector	MC4

Packaging data

Modules per pallet	30 pcs
Pallet size (L x W x H)	1.70 m x 1.1 m x 1.18 m
Pallet weight	600 kg



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Contact Installer