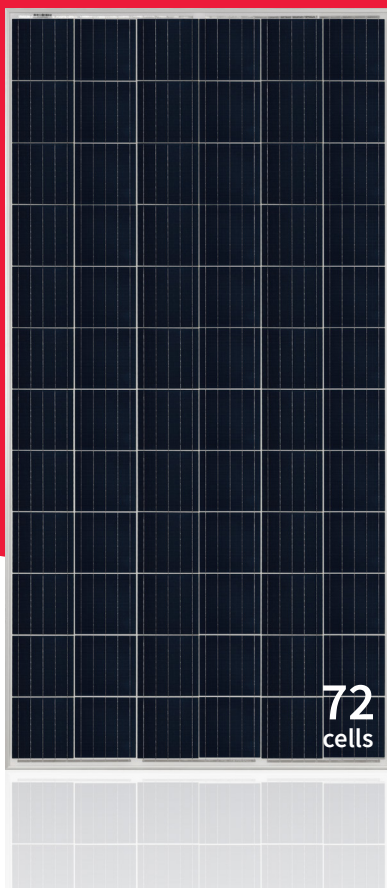


ND-AF330C

ND-AF Series

330 W

The Project Solution



Powerful product features



Max. system voltage 1,500 V
Lower BOS costs by longer strings



0/+5
%

Guaranteed positive power
tolerance (0/+5%)



IN
OUT

17% Module efficiency



Tested and certified
VDE, IEC/EN61215, IEC/EN61730
Safety class II, CE
Fire rating class C
MCS accredited product



Polycrystalline silicon
photovoltaic modules



5 busbar technology
Improved reliability
Higher efficiency
Reduced series resistance



Robust product design
PID resistance test passed
Salt mist test passed (IEC61701)
Ammonia test passed (IEC62716)
Dust and sand test passed (IEC60068)

Your solar partner for life



60 years of solar expertise



Linear power output guarantee



Product guarantee



Local support team in Europe



50 million PV modules installed



Top PV brand award



Energy Solutions

SHARP
Be Original.

* Applicable for modules installed in countries as shown in the guarantee conditions.

Electrical data (STC)

ND-AF330C

Maximum power	P_{max}	330	W_p
Open-circuit voltage	V_{oc}	45.96	V
Short-circuit current	I_{sc}	8.91	A
Voltage at point of maximum power	V_{mpp}	39.11	V
Current at point of maximum power	I_{mpp}	8.45	A
Module efficiency	η_m	17.0	%

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 5%.

Electrical data (NMOT)

ND-AF330C

Maximum power	P_{max}	246.90	W_p
Open-circuit voltage	V_{oc}	43.56	V
Short-circuit current	I_{sc}	7.22	A
Voltage at point of maximum power	V_{mpp}	36.46	V
Current at point of maximum power	I_{mpp}	6.77	A

NMOT = Nominal Module Operating Temperature: 42,5 °C, irradiance 800 W/m², air temperature of 20 °C, wind speed of 1 m/s.

Mechanical data

Length	1,960 mm
Width	992 mm
Depth	40 mm
Weight	22.5 kg

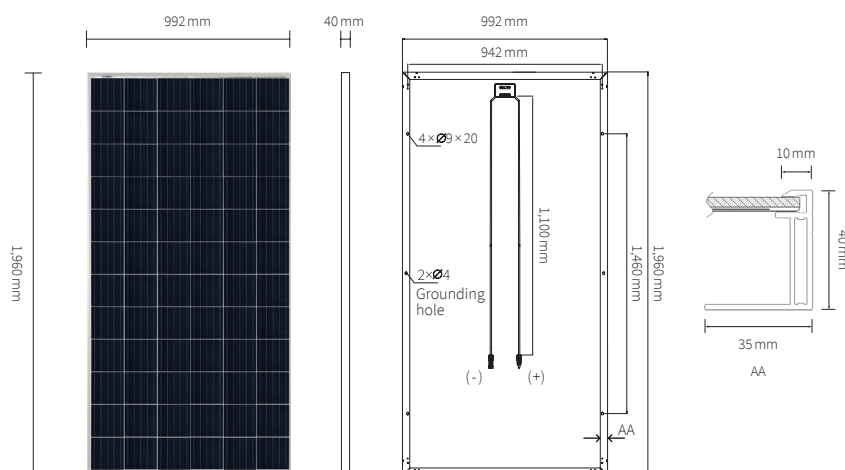
Temperature coefficient

P_{max}	-0.38%/°C
V_{oc}	-0.28%/°C
I_{sc}	0.039%/°C

Limit values

Maximum system voltage	1,500 V DC
Over-current protection	15 A
Temperature range	-40 to 85 °C
Max. mechanical load (snow/wind)	2,400 Pa

Dimensions (mm)



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

Packaging data

Modules per pallet	26 pcs
Pallet size (L × W × H)	2.00 m × 1.06 m × 1.20 m
Pallet weight	Approx. 620 kg

General data

Cells	Polycrystalline silicon, 157 mm × 157 mm, 72 cells in series
Front glass	Anti-reflective high transmissive low iron tempered glass, 3.2 mm
Frame	Anodized aluminium alloy, silver
Backsheet	White
Connection box	IP68 rating, 3 bypass diodes
Cable	Ø 4.0 mm ² , length 1,100 mm
Connector	C1, IP68

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. This module should not be directly connected to a load.