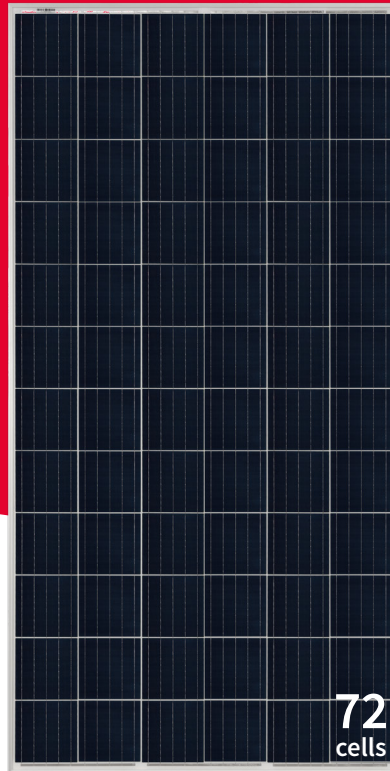


ND-AR330H

ND-AR Series

330 W

The Project Solution



Powerful product features



Guaranteed positive power tolerance (0/+5%)



Polycrystalline silicon photovoltaic modules



1,500 system voltage



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



Safety class II / CE Application class A



Fire rating class C



17% Module efficiency



Robust product design



5 busbar technology
Improved reliability
Higher efficiency
Reduced series resistance

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



SHARP
Be Original.

Electrical data (STC)

ND-AR330H

Maximum power	P_{max}	330	W_p
Open-circuit voltage	V_{oc}	45.5	V
Short-circuit current	I_{sc}	9.40	A
Voltage at point of maximum power	V_{mpp}	37.1	V
Current at point of maximum power	I_{mpp}	8.9	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 ($T_{module} = 25\text{ °C}$) is less than 3%.

Electrical data (NOCT)

ND-AR330H

Maximum power	P_{max}	245.9	W_p
Open-circuit voltage	V_{oc}	43.0	V
Short-circuit current	I_{sc}	7.49	A
Voltage at point of maximum power	V_{mpp}	34.5	V
Current at point of maximum power	I_{mpp}	7.13	A

NOCT (Nominal Operating Cell Temperature) = 45°C.

Irradiance = 800 W/m², air temperature = 20 °C, wind speed = 1 m/s.

Mechanical data

Length	1,956 mm
Width	992 mm
Depth	40 mm
Weight	22.0 kg

Temperature coefficient

P_{max}	-0.39%/°C
U_{oc}	-0.32%/°C
I_{sc}	0.05%/°C

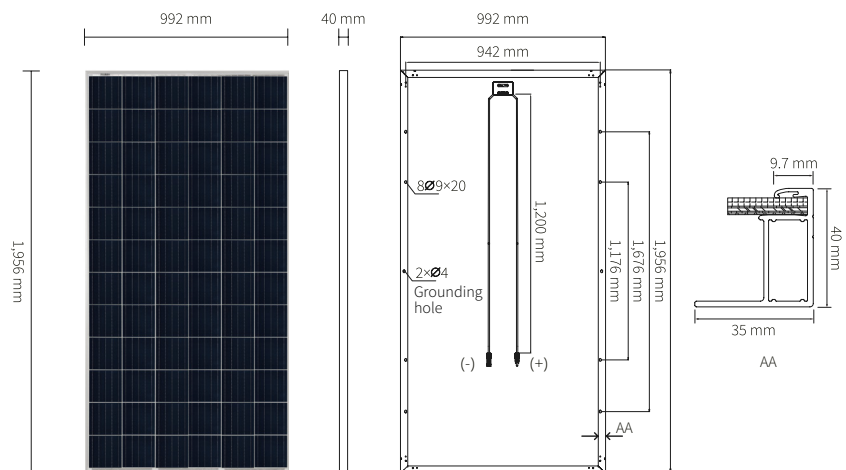
Limit values

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

Packaging data

Modules per pallet	27 pcs
Pallet size (L × W × H)	1.980 m × 1.130 m × 1.130 m
Pallet weight	640 kg

Dimensions (mm)



General data

Cells	polycrystalline 156.75 mm × 156.75 mm, 72 cells in series
Front glass	low iron tempered ARC glass, 3.2 mm
Frame	anodized aluminium alloy, silver
Connection box	IP67, 3 bypass diodes
Cable	4.0 mm ² , length 1,200 mm
Connector	Twinsel PV-SY02, IP67

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.