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Solar Panel Guide Specification Data Sheet

Sharp Energy Solutions Europe

ND-AH330H

ND-AH330H

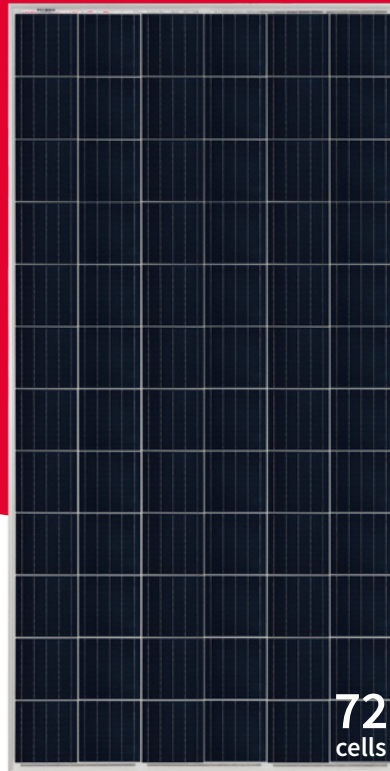
Also available on the web at
EnergyPal.com/sharp-energy-solutions-europe-solar-panels/nd-ah330h

ND-AH330H

ND-AH 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



Product guarantee



50 million PV modules installed



Local support team in Europe



Top PV brand award



Energy Solutions

SHARP

Be Original.

Electrical data (STC)

ND-AH330H

Maximum power	P_{max}	330	W_p
Open-circuit voltage	V_{oc}	46.2	V
Short-circuit current	I_{sc}	9.33	A
Voltage at point of maximum power	V_{mpp}	37.8	V
Current at point of maximum power	I_{mpp}	8.73	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-AH330H

Maximum power	P_{max}	245.0	W_p
Open-circuit voltage	V_{oc}	42.9	V
Short-circuit current	I_{sc}	7.53	A
Voltage at point of maximum power	V_{mpp}	34.9	V
Current at point of maximum power	I_{mpp}	7.02	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	35 mm
Weight	22.2 kg

Temperature coefficient

P_{max}	-0.39%/°C
U_{oc}	-0.30%/°C
I_{sc}	0.05%/°C

Limit values

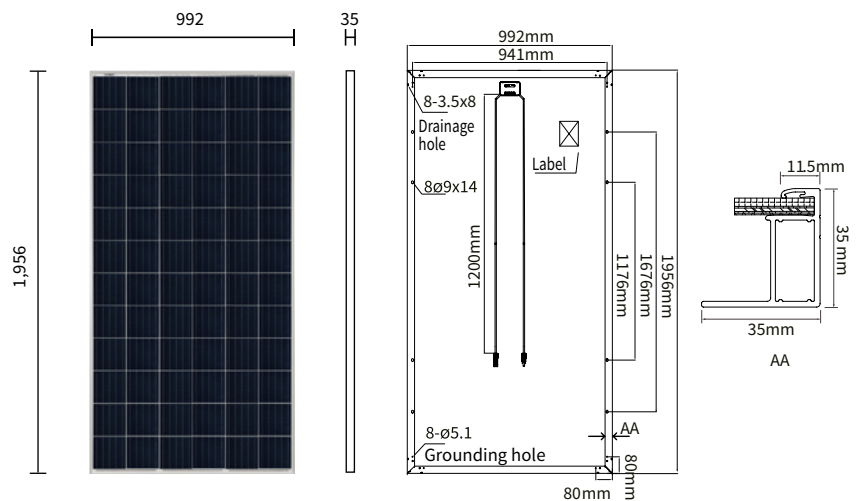
Maximum system voltage	1,500 VDC
Over-current protection	15 A
Temperature range	-40 to +85 °C
Max. mechanical load (snow/wind)	2,400 Pa

Tested snow load (IEC61215 test pass*) 5,400 Pa

Packaging data

Modules per pallet	30 pcs
Pallet size (L × W × H)	1.995 m × 1.150 m × 1.123 m
Pallet weight	740 kg

Dimensions (mm)



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

General data

Cells	polycrystalline 156.75 mm × 156.75 mm, 72 cells in series
Front glass	low iron tempered glass, 3.2 mm
Frame	anodized aluminium alloy, silver
Connection box	IP68, 3 bypass diodes
Cable	4.0 mm ² , length 1,200 mm
Connector	PV-XT101.1, SUZHOU XTONG PHOTOVOLTAIC TECHNOLOGY Co. Ltd

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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