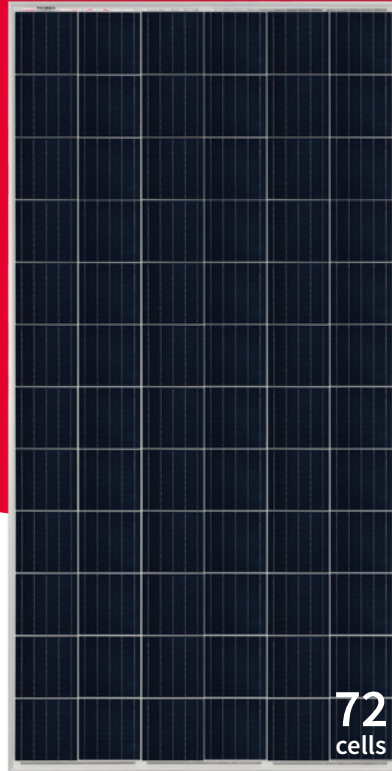


ND-AH330H

# 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	$\eta_m$	17.0	%

STC = Standard Test Conditions: irradiance 1,000 W/m<sup>2</sup>, 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/m<sup>2</sup> to 200 W/m<sup>2</sup> ( $T_{module} = 25\text{ °C}$ ) 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/m<sup>2</sup>, 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

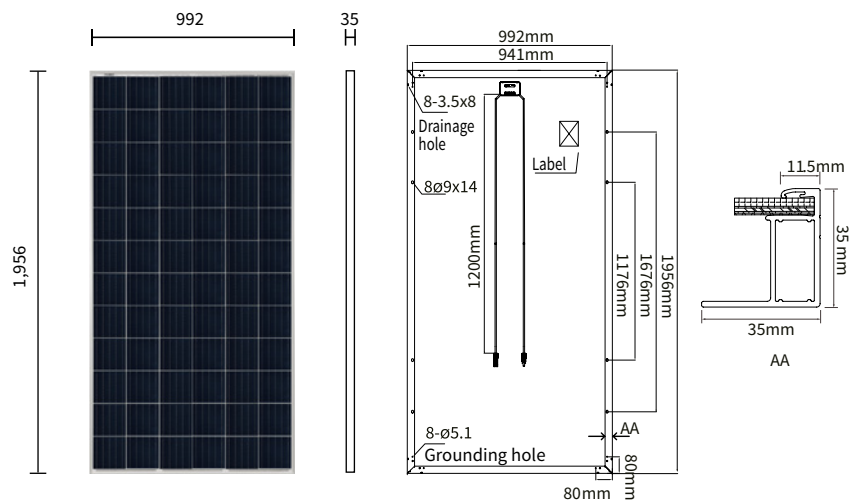
## Limit values

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 <sup>2</sup> , length 1,200 mm
Connector	PV-XT101.1, SUZHOU XTONG PHOTOVOLTAIC TECHNOLOGY Co. Ltd

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