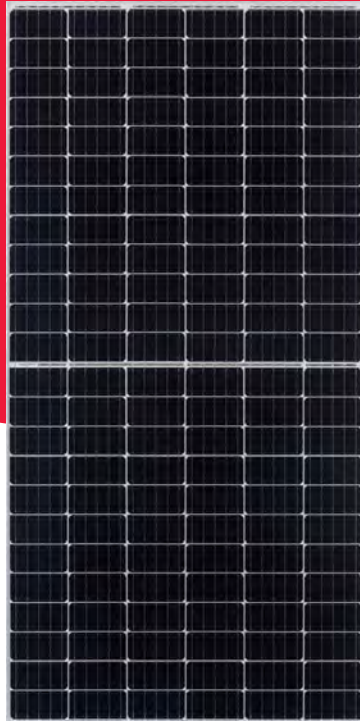


NU-JD Series

NU-JD550


550 W


The Project Solution




Powerful product features


Watt⁺ Guaranteed positive power binning (+5W/-0W)^{*1}

 High module efficiency 21.29 %
PERC monocrystalline silicon photovoltaic modules

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

MBB MBB busbar technology
Improved reliability
Higher efficiency
Reduced series resistance

 Half-cut cell
Improved shading performance
Lower internal losses
Reduced hot spot risk

 Tested and certified
IEC61215 : 2021
IEC61730 : 2023
Fire rating class C

Your solar partner for life

60
YEARS 60 years of solar expertise

25
YEARS Linear power output guarantee

12^{*2}
YEARS Product guarantee

50
MIL 50 million PV modules installed



*1 The power measurement uncertainty of the testing equipment shall be considered to all actual power output measurements when to evaluate the warranted performance.

*2 Applicable for modules installed in Australia for industrial use. Please check the guarantee conditions for the details.

Electrical data (STC)*3

		NU-JD550	
Maximum power (±3%) Power binning (+5W/-0W)*4	P_{max}	550	W_p
Open-circuit voltage (±3%)	V_{oc}	50.70	V
Short-circuit current (±5%)	I_{sc}	13.81	A
Voltage at point of maximum power	V_{mpp}	42.02	V
Current at point of maximum power	I_{mpp}	13.09	A
Module efficiency	η_m	21.29	%

*3 STC = Standard Test Conditions: irradiance 1,000 W/m², AM 1.5, cell temperature 25 °C.

*4 The power measurement uncertainty of the testing equipment shall be considered to all actual power output measurements when to evaluate the warranted performance.

Cells Half-cut cell mono, 182 x 91 mm, MBB, 2 strings of 72 cells in series

Front glass Anti-reflective high transmissive low iron tempered glass, 3 mm

Fire rating Class C

Certificate holder Sharp Solar Solution Asia Co., Ltd

Country of Manufacture China

Standard and certification IEC61215 : 2021, IEC61730 : 2023

Mechanical data

Dimensions (LxWxD)	2,278 x 1,134 x 35 mm
Weight	27.5kg
Frame	Anodized aluminium alloy, Silver
Cable	H1Z2Z2-K or 62930 IEC131 cable 4.0mm square Length :S (+) 400±10mm, (-) 200±10mm L (+) 1750±50mm, (-) 1750±50mm
Junction box	Protection Degree IP68
Backsheet	Weatherproof film (color: White)
Connector	C1, Jinzhou Yangguang

Temperature coefficient

P_{max}	-0.341 %/°C
V_{oc}	-0.262 %/°C
I_{sc}	0.054 %/°C

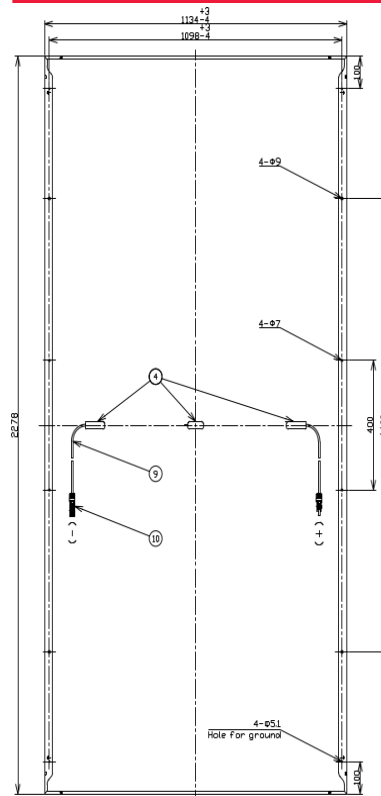
Limit values

Maximum system voltage	1,500 V DC
Over-current protection	25 A
Temperature range	-40 to 85 °C
Max. mechanical test load	2,400 Pa
Tested snow load (IEC61215 test pass*)	5,400Pa

Packaging data

Modules per pallet	31 pcs
Pallet size (L x W x H)	2,311 x 1,125 x 1250 mm
Pallet weight	Approx. 945 kg

Dimensions (mm)



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

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SHARP
Be Original.