

NU-JC Series

# NU-JC440

440 W

The High Performer


N-Type TOPCon





## Powerful product features

**Watt<sup>+</sup>** Guaranteed positive power binning (+5W/-0W)<sup>\*1</sup>

**MBB** MBB busbar technology  
Improved reliability  
Higher efficiency  
Reduced series resistance

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

 High module efficiency 22.53 %  
N-type TOPCon monocrystalline silicon photovoltaic modules

 Half-cut cell  
Improved shading performance  
Lower internal losses

## Your solar partner for life

**60**  
YEARS 60 years of solar expertise

**25**  
YEARS Linear power output guarantee

**25**<sup>\*2</sup>  
YEARS Product guarantee

**50**  
MILL 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 residential use. Please check the guarantee conditions for the details.

## Electrical data (STC)\*3

NU-JC440			
Maximum power ( $\pm 3\%$ ) Power binning (+5W/-0W)*4	$P_{max}$	440	$W_p$
Open-circuit voltage ( $\pm 3\%$ )	$V_{oc}$	39.57	V
Short-circuit current ( $\pm 5\%$ )	$I_{sc}$	14.15	A
Voltage at point of maximum power	$V_{mpp}$	33.09	V
Current at point of maximum power	$I_{mpp}$	13.30	A
Module efficiency	$\eta_m$	22.53	%

\*3 STC = Standard Test Conditions: irradiance 1,000 W/m<sup>2</sup>, 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.

## General data

Cells	Half-cut cell mono, 182 x 91 mm, MBB, 2 strings of 54 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)	1,722 x 1,134 x 30 mm
Weight	20.7kg
Frame	Anodized aluminium alloy, black
Cable	H1Z2Z2-K or 62930 IEC131 cable 4.0mm square, Length:1250±50mm
Junction box	IP rating 68 at liveparts with the silicone potting
Backsheet	Weatherproof film (color: White)
Connector	PV-KST4, PV-KBT4, Stäubli Electrical

## Temperature coefficient

$P_{max}$	-0.300 %/°C
$V_{oc}$	-0.259 %/°C
$I_{sc}$	0.046 %/°C

## Limit values

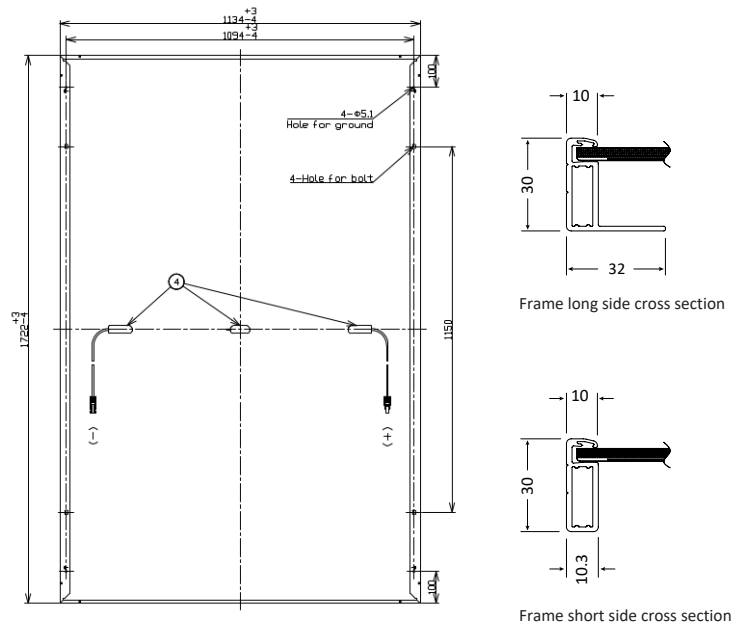
Maximum system voltage	1,000 V DC
Over-current protection	25 A
Temperature range	-40 to 85 °C
Max. mechanical test load	2,400 Pa
Tested snow load	5,400Pa

(IEC61215 test pass\*)

## Packaging data

Modules per pallet	36 pcs
Pallet size (L x W x H)	1,754 x 1,125 x 1245 mm
Pallet weight	Approx. 780 kg

## Dimensions (mm)



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

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