**NU-JC Series** 

# NU-JC410 410 W The High Performer



## Powerful product features



Guaranteed positive power tolerance (0/+5 %)



High module efficiency 21.0 % PERC monocrystalline silicon photovoltaic modules

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 VDE, IEC/EN61215, IEC/EN61730 CE Safety class II, CE Fire rating class C



Robust product design PID resistance test passed Salt mist test passed (IEC61701) Ammonia test passed (IEC62716) Dust and sand test passed (IEC60068)

## Your solar partner for life



60 years of solar expertise

**Energy Solutions** 



Linear power output guarantee



Local support team in Europe



50 million PV modules installed



15\* YEARS

Tier 1 - BloombergNEF

Product guarantee



\* Applicable for modules installed within the EU and additional listed countries. Please check the guarantee conditions for your area before purchasing.

## Electrical data (STC) NU-JC410 Pmax 410 Maximum power Open-circuit voltage Voc 37.79 13.81 Short-circuit current Isc 31.3 Voltage at point of maximum power Vmpp

Module efficiency ηm

STC = Standard Test Conditions: irradiance 1,000 W/m<sup>2</sup>, AM 1.5, cell temperature 25 °C.

1,722 mm

Red electrical characteristics are within 10% of the indicated values of  $I_{\rm SC}$ ,  $V_{\rm Oc}$  and 0 to +5% of P<sub>max</sub>. Reduction of efficiency from an irradiance change of 1,000 W/m<sup>2</sup> to 200 W/m<sup>2</sup> (T<sub>module</sub> = 25 °C) is less than 3 %.

Impp

Current at point of maximum power

		NU-JC410	
Maximum power	Pmax	307.55	Wp
Open-circuit voltage	Voc	35.81	V
Short-circuit current	lsc	11.2	А
Voltage at point of maximum power	Vmpp	29.18	V
Current at point of maximum power	Impp	10.54	А

NMOT = Nominal Module Operating Temperature: 42.5 °C, irradiance 800 W/m<sup>2</sup>, air temperature of 20 °C, wind speed of 1 m/s.

# Length

Width	1,134 mm
Depth	35 mm
Weight	21.8 kg

Temperature coeffici	ient
P <sub>max</sub>	-0.341 %/°C
Voc	-0.262 %/°C
lsc	0.054 %/°C

Limit values	
Maximum system voltage	1,000 V DC
Over-current protection	25 A
Temperature range	-40 to 85 °C
Max. mechanical load (snow/wind)	2,400 Pa
Tested snow load (IEC61215 test pass*)	5,400 Pa

31 pcs

1.78 m x 1.15 m x 1.25 m

Approx. 715 kg

 1134		
	Ig hole <u>4-05.1</u>	

13.1

21.0

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

General data	
Cells	Half-cut cell mono, 182 mm x 91 mm, MBB, 2 strings of 54 cells in series
Front glass	Anti-reflective high transmissive low iron tempered glass, 3.2 mm
Frame	Anodized aluminium alloy, silver
Backsheet	White
Cable	ø 4.0 mm², length 1,250 mm
Connection box	IP68 rating, 3 bypass diodes
Connector	MC4 (Multi Contact, Stäubli), IP68

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Packaging data Modules per pallet

Pallet size

 $(\mathsf{L}\times\mathsf{W}\times\mathsf{H})$ 

Pallet weight



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Wp

V

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