# **NU-JB Series**

### 395 W

## The Project Solution



### Powerful product features



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



Guaranteed positive power tolerance (0/+5%)



PERC monocrystalline silicon photovoltaic modules High module efficiency 19.6%



Tested and certified VDE, IEC/EN61215, IEC/EN61730



Safety class II, CE Fire rating class C MCS accredited product



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



5 busbar technology Improved reliability Higher efficiency Reduced series resistance



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



Linear power output guarantee



Local support team in Europe



Product guarantee



50 million PV modules installed



Top PV brand award





Electrical data (STC)			
		NU-JB395	
Maximum power	P <sub>max</sub>	395	Wp
Open-circuit voltage	Voc	49.45	V
Short-circuit current	Isc	10.35	Α
Voltage at point of maximum power	V <sub>mpp</sub>	41.07	V
Current at point of maximum power	Impp	9.62	А
Module efficiency	ηm	19.6	%

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

 $Rated\ electrical\ characteristics\ are\ within\ \pm 10\%\ of\ the\ indicated\ values\ of\ I_{SC}, V_{OC}\ and\ 0\ to\ +5\%\ of\ P_{max}\ (power\ measurement\ tolerance\ \pm 3\%).$ 

Electrical data (NMOT)			
		NU-JB395	
Maximum power	P <sub>max</sub>	293.8	Wp
Open-circuit voltage	Voc	46.87	V
Short-circuit current	Isc	8.39	А
Voltage at point of maximum power	$V_{mpp}$	38.11	V
Current at point of maximum power	Impp	7.71	А

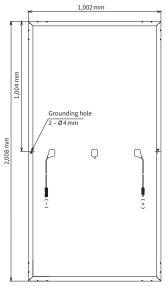
 $NMOT = Nominal\ Module\ Operating\ Temperature: 45\ ^{\circ}\text{C}, irradiance\ 800\ W/m^{2}, air\ temperature\ of\ 20\ ^{\circ}\text{C}, wind\ speed\ of\ 1\ m/s.$ 

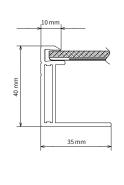
Mechanical data	
Length	2,008 mm
Width	1,002 mm
Depth	40 mm
Weight	23.5 kg

Temperature coefficient		
P <sub>max</sub>	-0.353%/°C	
Voc	-0.269%/°C	
I <sub>sc</sub>	0.037%/°C	

Limit values	
Maximum system voltage	1,500 V DC
Over-current protection	20 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	26 pcs
Pallet size (L × W × H)	2.08 m×1.12 m×1.19 m
Pallet weight	Approx. 650 kg





 $<sup>^*</sup>$ Please refer to SHARP's installation manual for details.

General data	
Cells	Half-cut cell mono, 159 mm × 79.5 mm, 2 strings of 72 cells in series
Front glass	Anti-reflective high transmissive low iron tempered glass, 3.2 mm
Frame	Anodized aluminium alloy, silver
Backsheet	White
Connection box	IP68 rating, 3 bypass diodes
Cable	ø 4.0 mm², length 1,400 mm [or on request (+) 300 mm, (-) 100 mm]
Connector	C1, IP68

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