NU-JC415B

415 W

The High Performer

SHARP
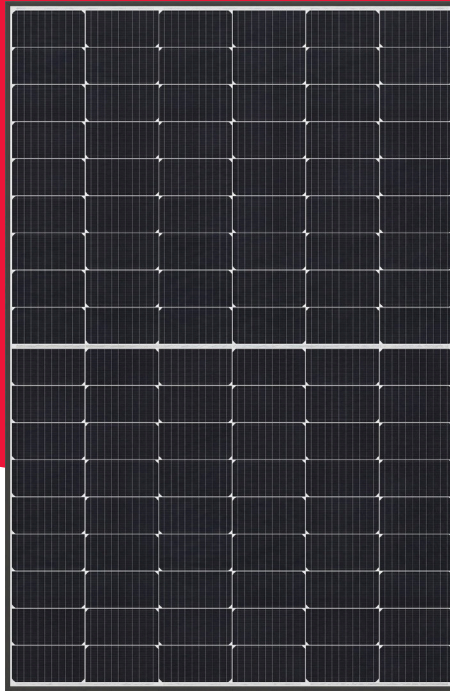
Powerful product features

+% Guaranteed positive power tolerance (0/+5 %)

MBB MBB busbar technology
Improved reliability
Higher efficiency
Reduced series resistance

Tested and certified
IEC61215, IEC61730
Fire rating class C

High module efficiency 21.25 %
PERC 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* YEARS Product guarantee

50 MIL 50 million PV modules installed

1 TIER Tier 1 - BloombergNEF

Energy Solutions

SHARP
Be Original.

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

Electrical data (STC)

		NU-JC415B	
Maximum power	P_{max}	415	W_p
Open-circuit voltage	V_{oc}	38.08	V
Short-circuit current	I_{sc}	13.87	A
Voltage at point of maximum power	V_{mpp}	31.49	V
Current at point of maximum power	I_{mpp}	13.18	A
Module efficiency	ηm	21.25	%

STC = Standard Test Conditions: irradiance 1,000 W/m², AM 1.5, cell temperature 25 °C.
Tolerance = Voc, Isc ±10% from the rated values

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, IEC61730

Mechanical data

Demensions (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

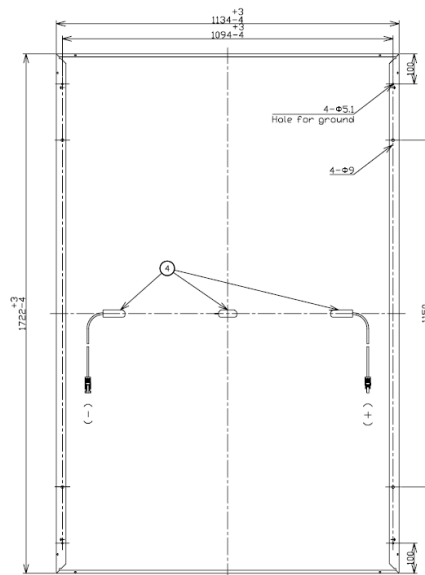|	
P_{max}	-0.341 %/°C
V_{oc}	-0.262 %/°C
I_{sc}	0.054 %/°C

Limit values

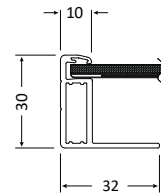|	
Maximum system voltage	1,000 V DC
Over-current protection	25 A
Temperature range	-40 to 85 °C
Max. mechanical test load	2,400 Pa

Packaging data

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

Dimensions (mm)

Frame long side cross section
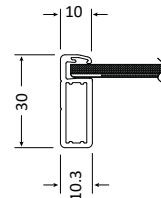
Frame short side cross section

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

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Be Original.