

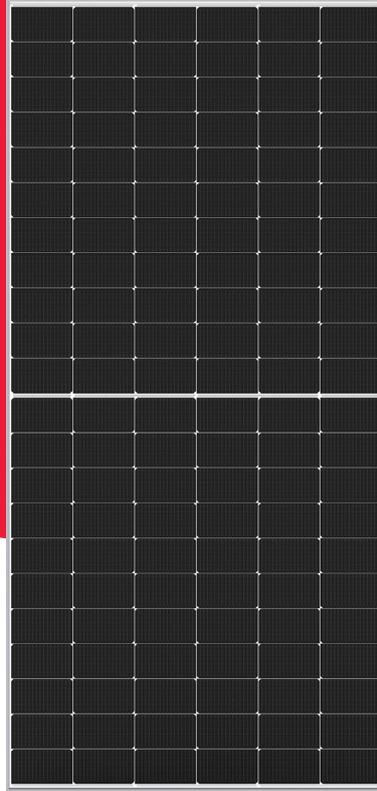
NB-JE Series

NB-JE615

615 W

The Project Solution

Bifacial



Powerful product features



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

MBB MBB busbar technology
Improved reliability
Higher efficiency
Reduced series resistance



Tested and certified
VDE, IEC/EN61215, IEC/EN61730
CE Safety class II, CE, UKCA, (MCS under application)
UK CA Fire rating class C



Module efficiency 22.76%
N-Type TOPCon monocrystalline silicon photovoltaic modules



Half-cut cell
Improved shading performance
Lower internal losses



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



Guaranteed positive power tolerance (0/+5 %)



Bifacial module
Additional rear side power gain

Your solar partner for life



65 years of solar expertise



Linear power output guarantee



Product guarantee



Local support team in Europe



50 million PV modules installed



Energy Solutions

SHARP
Be Original.

* Applicable for modules installed in countries as shown in the guarantee conditions.

Electrical data (STC)

NBJE615

Maximum power	P_{max}	615	W_p
Open-circuit voltage	V_{oc}	48.75	V
Short-circuit current	I_{sc}	16.06	A
Voltage at point of maximum power	V_{mpp}	40.73	V
Current at point of maximum power	I_{mpp}	15.10	A
Module efficiency	η_m	22.76	%
Bifaciality coefficient	ϕ	$\phi P_{max} = 80 (\pm 10)$ $\phi V_{oc} = 99 (\pm 10)$ $\phi I_{sc} = 80 (\pm 10)$	%

STC = Standard Test Conditions: irradiance 1,000 W/m², AM 1.5, cell temperature 25°C.
Rated electrical characteristics are within ±10 % of the indicated values of I_{sc} , V_{oc} and 0 to +5 % of P_{max} .

Electrical data (BNPI, BSI, Low Light)

NBJE615

Maximum power BNPI	P_{max}	707.25	W_p
Open-circuit voltage BNPI	V_{oc}	48.75	V
Short-circuit current BNPI	I_{sc}	18.4	A
Short-circuit current BSI	I_{sc}	20.07	A
Maximum power low light	P_{max}	122.23	W_p

BNPI: Bifacial Nameplate Irradiance: 1,000 W/m² (front) and 135 W/m² (rear); BSI: Bifacial Stress Irradiance: 1,000 W/m² (front) and 300 W/m² (rear)
Low light conditions: irradiance 200 W/m², cell temperature of 25°C
Rated electrical characteristics are within ±10 % of the indicated values of I_{sc} , V_{oc} and 0 to +5 % of P_{max} .

Mechanical data

Length	2,382 mm
Width	1,134 mm
Depth	30 mm
Weight	34 kg

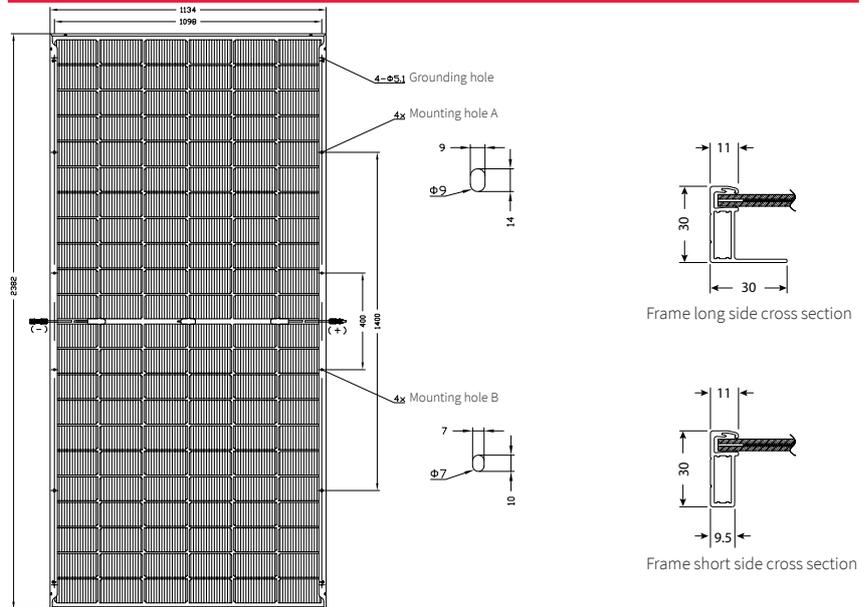
Temperature coefficient

P_{max}	-0.290 %/°C
V_{oc}	-0.240 %/°C
I_{sc}	0.047 %/°C

Limit values

Maximum system voltage	1,500 V DC
Over-current protection	30 A
Temperature range	-40 to 85 °C
Max. mechanical load (snow/wind)	2,400 Pa
Tested snow load (IEC61215 test pass*)	5,400 Pa

Dimensions (mm)



Packaging data**

Modules per pallet	36 pcs
Pallet size (L x W x H)	2.39 m x 1.13 m x 1.25 m
Pallet weight	Approx. 1.290 kg

General data

Cells	82x105mm / N-Type TOPCon / Half-cell 132 Anti-reflective high
Front glass	Semi-tempered embossed coated glass
Rear glass	Semi-tempered embossed / high-reflection
Frame	Anodized aluminum alloy (color: silver)
Cable	ø 4.0 mm ²
Connection box	Degrel P68
Connector	C1 or MC4

Note: Technical data is subject to change without prior notice. Before using SHARP products, please request the latest data sheets from SHARP. SHARP accepts no responsibility for damage to devices which have been equipped with SHARP products on the basis of unverified information. The specifications may deviate slightly and are not guaranteed. Installation and operating instructions are to be found in the corresponding handbooks, or can be downloaded from www.sharp.eu. This module should not be directly connected to a load.