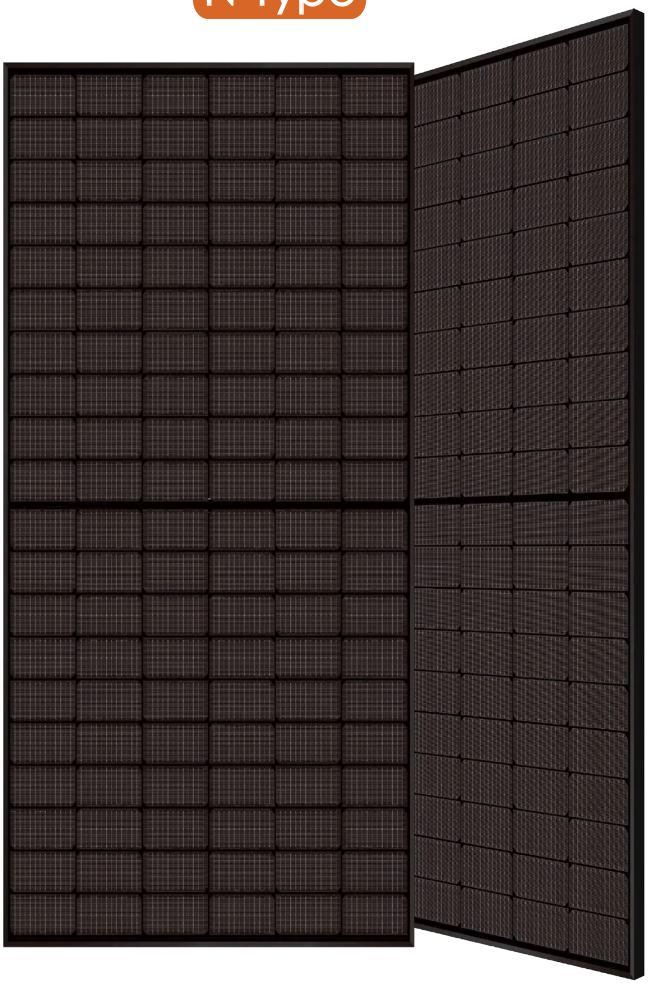
N-Type



Neptune Series

EL-380~400N3-120BH(BLK)

120-cell HJT Black Half Cell
Solar Module

Product Warranty 15 years | Linear Power Warranty 30 years

Quality Benefits

22.0%

Extreme Power Production

The module efficiency up to 22.0% achieved by utilizing the most advanced technology in the solar industry.

SuperMBB

SuperMBB Half-Cut Cell Technology

Using the advanced 9BB solar cell combines with half-cut cell technology to guarantee more power.

Advanced Bifacial Efficiency

Bifaciality>80%, effectively improves backside power generation.
A bifacial cell design that generates energy from both sides, capturing and converting more sunlight into power even with a backsheet.

Weak light

High Energy Yield

Excellent weak light performance and better performance in hot climate. Leading temperature coefficient for more production when the sun shines strongest, Or under the cloudy, haze condition.

5,400
2,400
Pascal

Guaranteed Better Durability

Certified for snow and wind loads of a maximum of 5,400 / 2,400 Pascal, weather to improve cell life for long-lasting high power.

Industry Leading Output Warranty

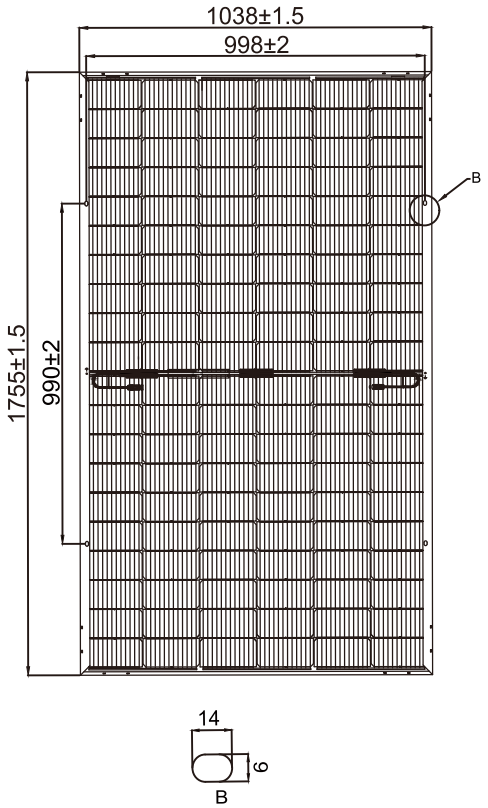
East Lux Energy cell technology result in extremely low LID and PID which supports reliability and longevity. 12% power degradation in 30 years.

EAST LUX N3 SERIES 380~400W(ALL BLACK)

120-cell HJT Black Half Cell Solar Module

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

		380	385	390	395	400
Maximum Power	(Pmax)	380W	385W	390W	395W	400W
Module Efficiency	(%)	20.86%	20.13%	21.41%	21.70%	22.00%
Optimum Operating Voltage	(Vmp)	38.11V	38.30V	38.49V	38.68V	38.87V
Optimum Operating Current	(Imp)	9.97A	10.05A	10.13A	10.21A	10.29A
Open Circuit Voltage	(Voc)	44.83V	45.31V	45.61V	45.9V	46.20V
Short Circuit Current	(Isc)	10.54A	10.56A	10.62A	10.68A	10.74A
Operating Module Temperature		-40 to +85°C				
Maximum System Voltage		DC1500V (IEC)				
Maximum Series Fuse		20A				
Power Tolerance		0~+5W				
Bifaciality		80%±5%				

*STC: Irradiance 1000 W/m², cell temperature 25°C, AM=1.5. Tolerance of Pmax is within +/- 3%.

NOCT**

Maximum Power	(Pmax)	289W	293W	297W	300W	304W
Optimum Operating Voltage	(Vmp)	35.95V	36.18V	36.36V	36.46V	36.68V
Optimum Operating Current	(Imp)	8.04A	8.10A	8.17A	8.23A	8.29A
Open Circuit Voltage	(Voc)	42.79V	43.24V	43.53V	43.81V	44.09V
Short Circuit Current	(Isc)	8.50A	8.51A	8.56A	8.61A	8.66A

**NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44°C±2°C
Temperature Coefficiency of Pmax	-0.26%/°C
Temperature Coefficiency of Voc	-0.24%/°C
Temperature Coefficiency of Isc	0.04%/°C

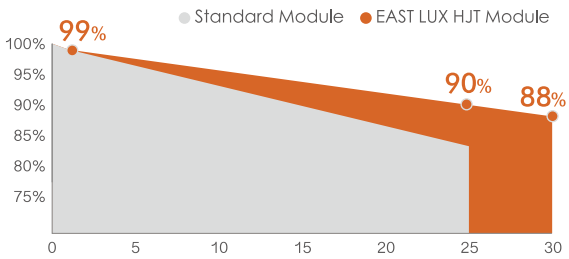
Mechanical Characteristics

Cell Type	HJT Mono 166×83mm
Cell Connection	120 (60×2)
Module Dimension	1755×1038×30 mm
Weight	19.5 kg
Junction Box	IP68
Output Cable	4mm², 1200mm in length, length can be customized / UV resistant
Connectors Type	MC4 Compatible
Frame	Anodised Aluminum Alloy
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	(F) 1.6mm anti-reflective surface solar glass | (B) 1.6mm solar glass

Safety & Warranty

Safety Class	Class II
Product Warranty	15 yrs Workmanship
Performance Warranty	30 yrs Linear Warranty*

* Less than 1% attenuation in the 1st year, the annual attenuation from the 2nd year is no more than 0.375%, and the power is no less than 88% until the 30th year.



* Refer to EAST LUX standard warranty for details

Shipping Configurations

		HC	GP
Container Szze		40'	20'
Pallets Per Container		26	6
Modules Per Pallet	(pcs)	36	36
Modules Per Container	(pcs)	936	216

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