

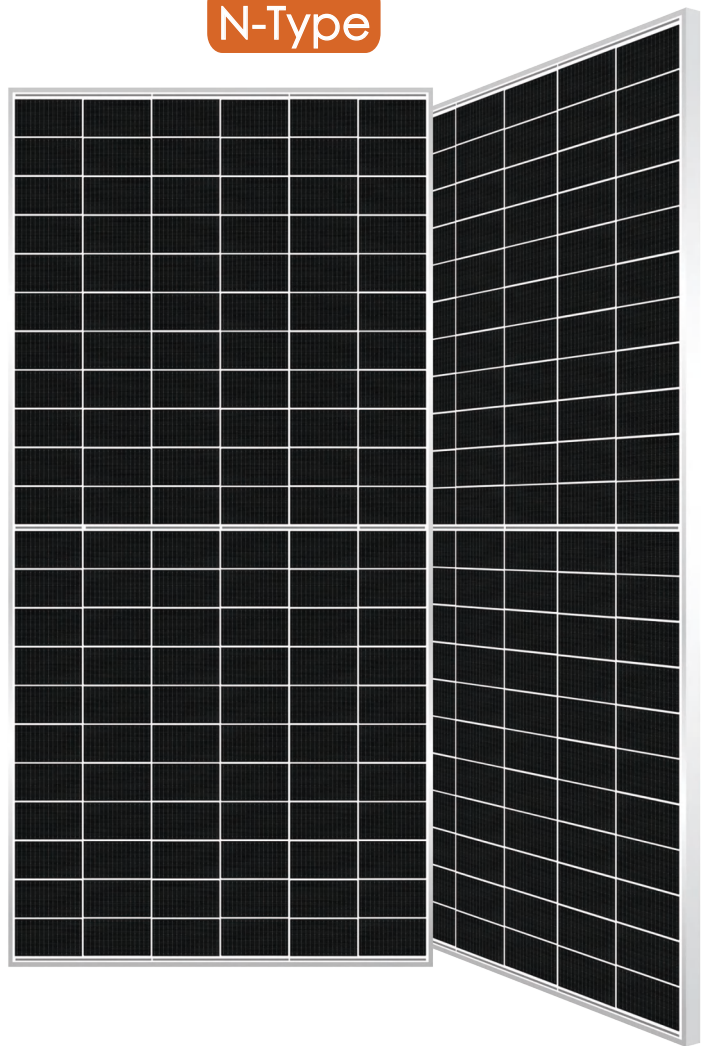


N-Type

Neptune Series

EL-680~700N6-132BH

132-cell Bifacial HJT Half Cell Solar Module




Product Warranty **15** years | Linear Power Warranty **30** years




Quality Benefits


22.5% **Extreme Power Production**
The module efficiency up to 22.5% achieved by utilizing the most advanced technology in the solar industry.

 **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.

 **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 Pascals and with better protection against harsh 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.

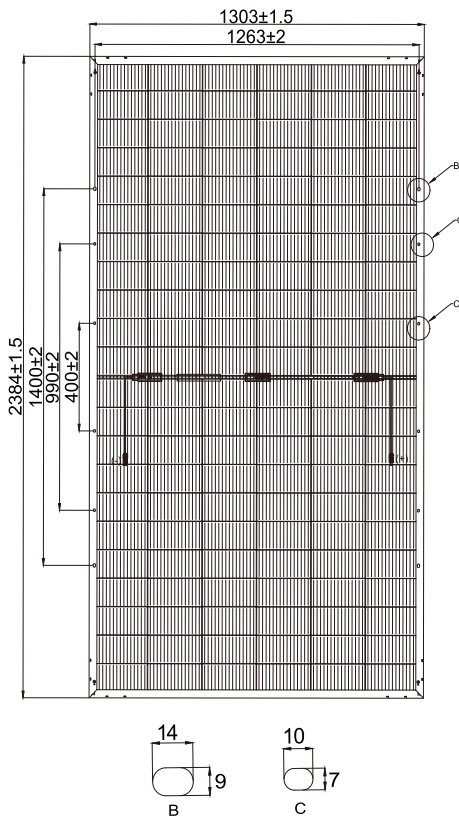
The Specification and key features described in this datasheet may deviate slightly and are not guaranteed. East Lux Energy reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

EAST LUX N6 SERIES 680~700W

132-cell Bifacial HJT Half Cell Solar Module

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

		680	685	690	695	700
Maximum Power (Pmax)		680W	685W	690W	695W	700W
Module Efficiency (%)		21.9%	22.1%	22.2%	22.4%	22.5%
Optimum Operating Voltage (Vmp)		41.49V	41.65V	41.80V	41.95V	42.10V
Optimum Operating Current (Imp)		16.39A	16.45A	16.51A	16.57A	16.63A
Open Circuit Voltage (Voc)		49.50V	49.66V	49.82V	49.98V	50.13V
Short Circuit Current (Isc)		17.19A	17.25A	17.31A	17.37A	17.43A
Operating Module Temperature		-40 to +85 °C				
Maximum System Voltage		DC1500V (IEC)				
Maximum Series Fuse		30A				
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%.

BSTC**

		750W	756W	761W	767W	772W
Maximum Power (Pmax)		750W	756W	761W	767W	772W
Optimum Operating Voltage (Vmp)		41.49V	41.65V	41.80V	41.95V	42.10V
Optimum Operating Current (Imp)		18.08A	18.16A	18.21A	18.29A	18.34A
Open Circuit Voltage (Voc)		49.50V	49.66V	49.82V	49.98V	50.13V
Short Circuit Current (Isc)		18.96A	19.04A	19.09A	19.17A	19.22A

**BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25 °C.

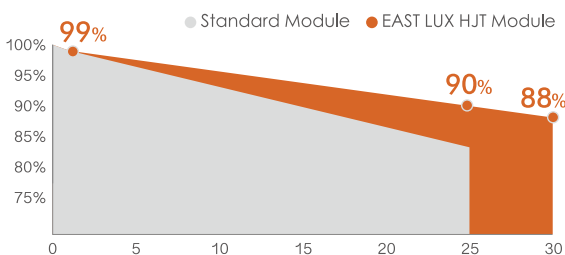
Temperature Characteristics

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

Safety & Warranty

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

* 1st year 99%, after 2nd year 0.375% annual degradation to year 30.



* Refer to EAST LUX standard warranty for details

Mechanical Characteristics

Cell Type	HJT Mono 210 × 105mm
Cell Connection	132 (66 × 2)
Module Dimension	2384 × 1303 × 35 mm
Weight	38.7 kg
Junction Box	IP67 / IP68
Output Cable	4mm ² , 200mm in length, length can be customized / UV Resistant
Connectors Type	MC4 Compatible
Frame	Anodised Aluminum Alloy
Encapsulant	POE
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	(F) 2.0mm Anti-reflective surface Solar glass (B) 2.0mm Solar glass

Shipping Configurations

	HC
Container Length	40'
Pallets Per Container	17
Modules Per Pallet (pcs)	31
Modules Per Container (pcs)	527