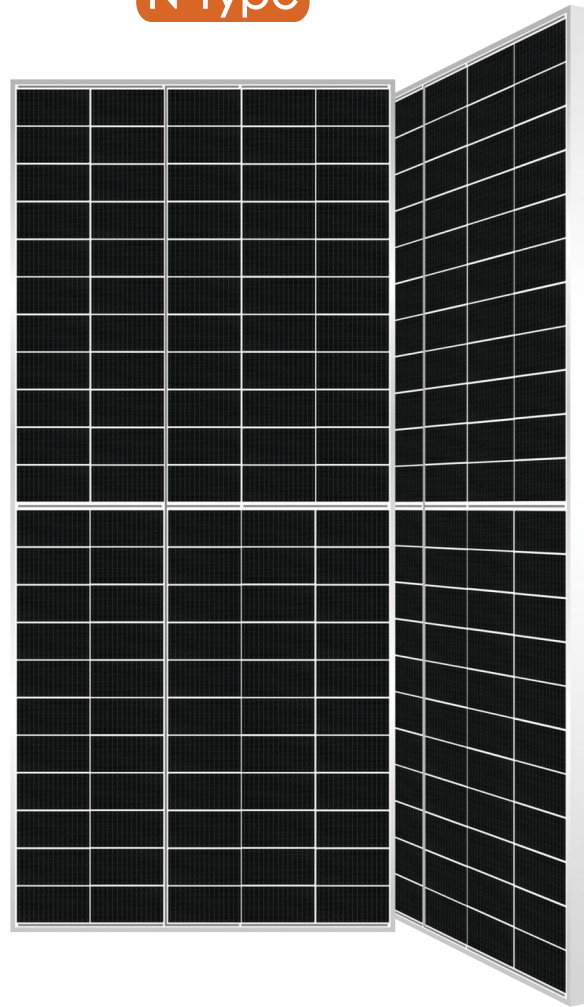


Neptune Series

EL-560~580N6-110BH

110-cell Bifacial HJT Half Cell Solar Module



Product Warranty **15** years

Linear Power Warranty **30** years



Quality Benefits

Extreme Power Production

22.2%

The module efficiency up to 22.2% 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 / weather to improve cell life for long-lasting high power.



Industry Leading Output Warranty

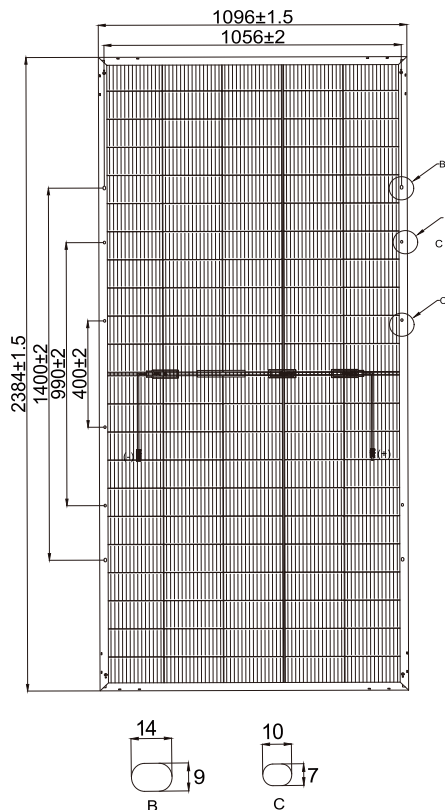
East Lux Energy cell technology result in extremely low LID and PID which supports reliability and longevity. 12% power degradation in 30 years.

EASTLUX G12 SERIES 560~580W

110-cell Bifacial HJT Half Cell Solar Module

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

	560	565	570	575	580
Maximum Power (P _{max})	560W	565W	570W	575W	580W
Module Efficiency (%)	21.4%	21.6%	21.8%	22.0%	22.2%
Optimum Operating Voltage (V _{mp})	34.17V	34.35V	34.53V	34.71V	34.88V
Optimum Operating Current (I _{mp})	16.39A	16.45A	16.51A	16.57A	16.63A
Open Circuit Voltage (V _{oc})	40.77V	40.96V	41.16V	41.35V	41.54V
Short Circuit Current (I _{sc})	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 P_{max} is within +/- 3%.

BSTC**

	618W	623W	629W	634W	640W
Maximum Power (P _{max})	618W	623W	629W	634W	640W
Optimum Operating Voltage (V _{mp})	34.17V	34.35V	34.53V	34.71V	34.88V
Optimum Operating Current (I _{mp})	18.09A	18.14A	18.22A	18.27A	18.35A
Open Circuit Voltage (V _{oc})	40.77V	40.96V	41.16V	41.35V	41.54V
Short Circuit Current (I _{sc})	18.97A	19.02A	19.10A	19.15A	19.23A

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

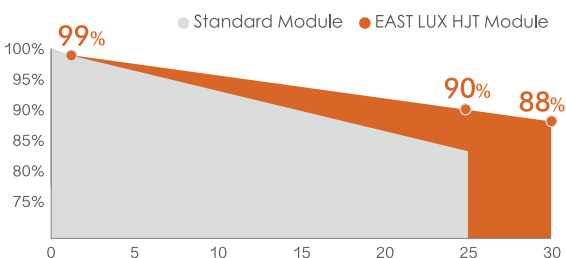
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature Coefficiency of P _{max}	-0.26%/°C
Temperature Coefficiency of V _{oc}	-0.24%/°C
Temperature Coefficiency of I _{sc}	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	110 (55 × 2)
Module Dimension	2384 × 1096 × 35 mm
Weight	32.3 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	20
Modules Per Pallet (pcs)	31
Modules Per Container (pcs)	620

East Lux Energy Technology(Shenzhen) Co.,Ltd.

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NO. 29 Longcheng Ave., Longgang District, Shenzhen, Guangdong, China

Tel: 0086-755-28262663 sales@eastluxenergy.com www.eastluxenergy.com