

# AURO<sup>N</sup>

N-Type TOPCon Mono Bifacial Dual Glass Module

**570-600W** **NLBK-36**

## Key Product Features



### High conversion efficiency

Module efficiency increases to 23.23%



### Bifacial power generation

Both sides absorb sunlight to generate power  
5%-32% power generation gain



### Excellent low-light performance

Better low-light power generation performance  
in low radiation environment such as haze and  
cloudy days



### Zero LID

Excellent antidegradation capability  
to achieve zero LID



### SMBB Technology

16BB has better light trapping and  
current collection to improve module  
power output



### PID Resistance

Excellent Anti-PID Performance guarantee via optimized  
production technology and materials control



### Low temperature coefficient

Peak power temperature coefficient  $-0.278\%/^{\circ}\text{C}$   
Excellent power generation performance in high  
temperature environment



### LOW LCOE (Levelized Cost of Energy)

Reduce the cost of BOS efficiently  
Increase return on project investment

## Comprehensive product certification

- IEC61215-1(ed.1)
- IEC61215-1-1(ed.1)
- IEC61215-2(ed.1)
- IEC61730-1(ed.2)
- IEC61730-2(ed.1)
- UL 61730-1 1<sup>st</sup> Edition
- UL 61730-2 1<sup>st</sup> Edition

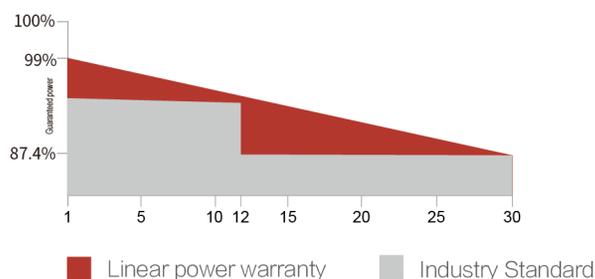


## Industry-leading Quality Assurance

**12 year**  
Product warranty

**30 year**  
linear power warranty

**-0.40%**  
Annual degradation



● Please refer to the warranty letter for details



Solar Power



<https://solar.byd.com/en/>

+86-755-89888888

bydpv@byd.com

**Electrical Data(STC\*)**

Module Type: NLBK-36	570	575	580	585	590	595	600
Rate Maximum Power(Pmax)(W)	570	575	580	585	590	595	600
Open Circuit Voltage(Voc) (V)	52.06	52.38	52.69	53.82	53.92	54.02	54.12
Short Circuit Current(Isc) (A)	13.74	13.80	13.86	13.49	13.56	13.63	13.70
Maximum Power Voltage(Vmp)(V)	42.80	42.99	43.18	44.90	45.04	45.18	45.32
Maximum Power Current (Imp) (A)	13.32	13.37	13.43	13.03	13.10	13.17	13.24
Module Efficiency (%)	22.07	22.26	22.45	22.65	22.84	23.03%	23.23

\*Standard Test Conditions (STC) : irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C

**Electrical Data(NMOT\*)**

Module Type: NLBK-36	570	575	580	585	590	595	600
Rate Maximum Power(Pmax)(W)	432.4	436.0	440.0	442.4	446.0	449.7	453.3
Open Circuit Voltage(Voc) (V)	49.2	49.5	49.8	50.8	50.9	51.0	51.1
Short Circuit Current(Isc) (A)	11.09	11.14	11.19	10.89	10.94	11.00	11.06
Maximum Power Voltage(Vmp)(V)	41.0	41.2	41.4	42.7	42.8	42.9	43.0
Maximum Power Current (Imp) (A)	10.54	10.58	10.62	10.36	10.42	10.48	10.53

\*Nominal Module Operating Temperature (NMOT):irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

**Operational Parameter**

Operating Temperature	-40°C~+85°C					
NMOT (Nominal Module Operating Temperature)	45±2°C					
Maximum System Voltage(V)	1500V DC					
Maximun Fuse Current Rating(A)	30A					
Fire Safety	Class C					
Power Tolerance	0~+5W					
Bifacial Factor	80±5%					
PG. 580W	5%	10%	15%	20%	25%	30%
Rate Maximum Power(Pmax)(W)	609	638	667	696	725	754
Open Circuit Voltage(Voc) (V)	52.69	52.69	52.69	52.69	52.69	52.69
Short Circuit Current (Isc) (A)	14.55	15.25	15.94	16.63	17.33	18.02
Maximum Power Voltage(Vmp)(V)	43.18	43.18	43.18	43.18	43.18	43.18
Maximum Power Current(Imp) (A)	14.10	14.77	15.44	16.12	16.79	17.46

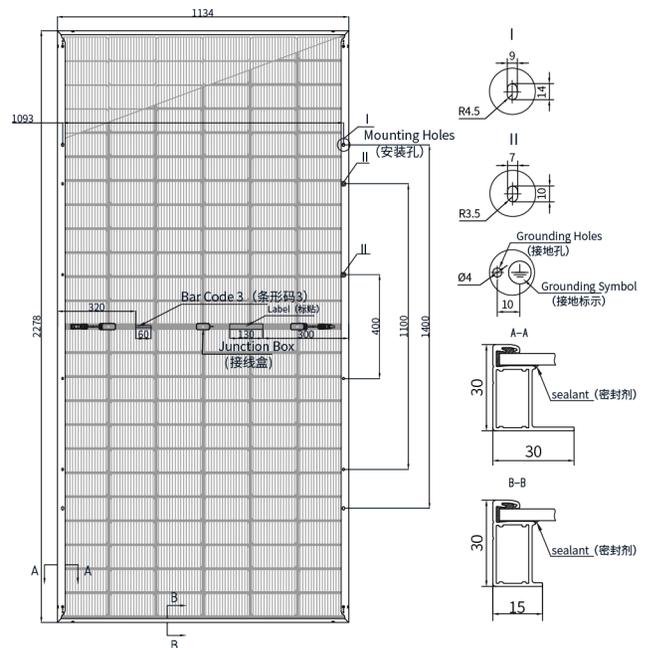
**Mechanical Properties**

Cell Type	N - type Mono-crystalline
Number of Cells	144
Dimension of Module	2278*1134*30mm
Weight	32kg±5%
Front Glass	2.0mm semi-tempered coated glass
Back Glass	2.0mm semi-tempered screen printed glass
Frame	Anodized aluminum alloy
Junction Box	IP68(3 Diodes)
Cable Length	+320mm , -260mm(4.0mm <sup>2</sup> ); or Customized Length
Packing Information	720 (36*20) pcs per 40'HQ

**Temperature Coefficient**

Peak Power Temperature Coefficient	-0.278%/°C
Open-Circuit Voltage Temperature Coefficient	-0.239%/°C
Short-Circuit Current Temperature Coefficient	0.044%/°C

**Drawing**



**I-V curve**

