

IEC61215(2016), IEC61730(2016) | ISO9001:2015: Quality Management System | ISO14001:2015: Environment Management System ISO45001:2018: Occupational health and safety management systems | IEC62941: 2019: Quality system for PV module manufacturing



### **High Power Output**

SMBB technology reduces the distance between busbars and finger grid lines, improving reliability and increasing output



# ZERO LID (Light Induced Degradation)

N-type solar cell has no LID naturally which can increase power generation

### **Higher Reliability**

Adopted Jolywood's latest J-TOPCon 2.0 technology: No polysilicon wrap around, full electrical isolation, and zero leakage current increase safety on rooftop

## Jolywood Delivers Reliable Performance Over Time

- Leading N-type module manufacturer
- Fully automated facility and industry-leading technology
- Best-in-class durability and reliability
- BloombergNEF Tier One



#### **Better Weak Illumination Response**

Higher power output even under low-light environments, like on cloudy or foggy days

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### **Better Temperature Coefficient**

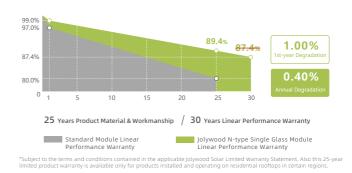
Higher power generation under working conditions, thanks to passivating contact cell technology



#### Lighter Module Weight

Reduces weight by more than 20% compared to bifacial double glass module

#### **Linear Performance Warranty**





Electrical Properties   STC*						
Testing Condition	Front Side	Front Side	Front Side	Front Side	Front Side	
Peak Power(Pmax)(W)	410	415	420	425	430	
MPP Voltage(Vmp)(V)	31.5	31.7	31.9	32.1	32.3	
MPP Current (Imp) (A)	13.02	13.10	13.17	13.24	13.32	
Open Circuit Voltage(Voc)(V)	37.5	37.7	37.9	38.1	38.3	
Short Circuit Current (Isc) (A)	13.82	13.91	13.98	14.05	14.12	
Module Efficiency (%)	21.00	21.25	21.51	21.76	22.02	
*STG: Interdisence 3000 \\//m2 Gell Terreser	+ 350C AM1 5					

\*STC: Irradiance 1000 W/m², Cell Temperature 25°C, AM1.5 The data above is for reference only and the actual data is in

### Electrical Properties | NOCT\*

Testing Condition	Front Side					
Peak Power(Pmax)(W)	310	314	318	322	325	
MPP Voltage (Vmp) (V)	29.5	29.7	29.9	30.1	30.3	
MPP Current (Imp) (A)	10.50	10.56	10.62	10.67	10.74	
Open Circuit Voltage(Voc)(V)	35.8	36.0	36.2	36.4	36.6	
Short Circuit Current(Isc)(A)	11.14	11.22	11.27	11.33	11.38	

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

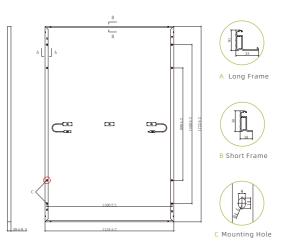
#### Operating Temperature (°C) -40°C~+85°C Maximum System Voltage (V) 1500V DC (IEC) Maximum Series Fuse Rating (A) 30 Power Tolerance 0~+5W

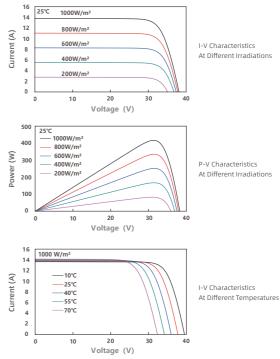
Temperature Coefficient	
Temperature Coefficient of Pmax*	-0.300%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.045%/°C
Nominal Operating Cell Temperature (NOCT)	42±2°C

Temperature Coefficient of Pmax±0.03%/°C

Cell Size	182.00mm*91.00mm
Number of Cells	108pcs(12*9)
Module Dimension	1722mm*1134mm*30mm
Weight	21.5kg
Front Glass*	3.2mm
Frame	Anodized Aluminium Alloy
Junction Box	IP68 (3 diodes)
Length of Cable	4.0mm <sup>2</sup> , +300mm/-180mm (Cable length can be customized )
*Heat strengthened glass	

NOTE :





Packaging Configuration				
Packing Type	20'GP	40'GP	40'HQ	
Piece/Pallet		36		
Pallet/Container	6	13	26	
Piece/Container	216	468	936	

S) JOLYWOOD

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