



10-30% Additional Power Generation

30 years lifespan brings 10-30% additional power generation comparing with conventional P-type module



ZERO LID (Light Induced Degradation)

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



Higher Reliability

Adpoted Jolywood lastest J-TOPCon2.0 technology, No polysilicon wrap around, Full electrical isolation, Zero leakage current; Much Safer for roof



Better Weak Illumination Response

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



Better Temperature Coefficient

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



Outstanding visual appearance

Designed with aesthetics in mind, thinner wires that appear all black at a distance

Jolywood Delivers Reliable Performance Over Time

- Leader of N-type bifacial manufacturer
- Full-automatic facility and industry-leading technology
- Best-in-class durability and reliability
- BNEF Tier One

Linear Performance Warranty



Subject to the terms and conditions contained in the applicable jolywood Solar Limited Warranty Statement. Also this 25 -year limited product warranty is available only for products installed and operating on residential rooftops in certain regions











Electrical Properties STC*						
Testing Condition	Front Side					
Peak Power (Pmax) (W)	415	420	425	430	435	440
MPP Voltage (Vmp) (V)	31.7	31.9	32.1	32.3	32.5	32.7
MPP Current (Imp) (A)	13.10	13.17	13.24	13.32	13.39	13.46
Open Circuit Voltage (Voc) (V)	37.7	37.9	38.1	38.3	38.4	38.6
Short Circuit Current (Isc) (A)	13.91	13.98	14.05	14.12	14.18	14.25
Module Efficiency (%)	21.25	21.51	21.76	22.02	22.27	22.53

*STC: Irradiance 1000 W/m², Cell Temperature 25°C, AM1.5 The data above is for reference only and the actual data is in accordance with the pratical testing Power Measurement Tolerance ±3%

Electrical Properties	NOCT*					
Testing Condition	Front Side					
Peak Power (Pmax) (W)	315	318	322	326	330	334
MPP Voltage (Vmp) (V)	29.8	30.0	30.2	30.3	30.5	30.7
MPP Current (Imp) (A)	10.56	10.62	10.67	10.74	10.82	10.88
Open Circuit Voltage (Voc) (V)	36.0	36.2	36.4	36.6	36.8	37.0
Short Circuit Current (Isc) (A)	11.22	11.27	11.33	11.38	11.44	11.49

^{*}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 Bifaciality* Front Static Load Snow load 5400Pa, Wind load 2400Pa

^{*}Bifaciality=Pmaxrear(STC)/Pmaxfront(STC),Bifaciality tolerance:±5%

Temperature Coefficient		
Temperature Coefficient of Pmax*	-0.300%/℃	
Temperature Coefficient of Voc	-0.250%/℃	
Temperature Coefficient of Isc	+0.045%/°C	
Nominal Operating Cell Temperature (NOCT)	42±2℃	
*Temperature Coefficient of Pmax±0.03%/°C		

Mechanical Properties		
Cell Size	182.00mm*91.00mm	
Number of Cells	108pcs(12*9)	
Module Dimension	1722mm*1134mm*30mm	
Weight	24.5kg	
Front / Rear Glass*	2.0mm/2.0mm	
Frame	Anodized Aluminium Alloy	
Junction Box	IP68 (3 diodes)	

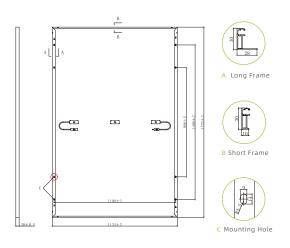
4.0mm², +300mm/-180mm (Cable length can be customized)

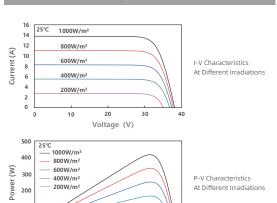
Machanical Proportion

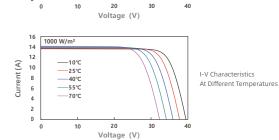
MPP Voltage MPP Current Open Circuit Voltage Short Circuit Current Power Gain Peak Power (%) (Pmax) (W) (Vmp) (V) (Imp) (A) (Voc) (V) (Isc) (A) 10 448 31.7 14.13 37.7 14.99 15 37.7 15.54 465 31.7 14.65 20 481 31.7 15.17 37.7 16.08 25 498 31.7 15.69 37.7 16.62 30 16.20 17.16 515 31.8 37.8

JOLYWOOD (TAIZHOU) SOLAR

TECHNOLOGY CO.,LTD.







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



Add: No.6 Kaiyang Rd., Jiangyan Economic Development Zone, Taizhou, Jiangsu Province, China, 225500

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www.jolywood.cn TEL: +86 523 80612799 Email: mkt@jolywood.cn



At Different Irradiations

Length of Cable *Heat strengthened glass