





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



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



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



J-TOPCon 2.0

Better Weak Illumination Response

(X) JOLYWOOD

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



Wider Applicability

More application scenes like BIPV, vertical installation, snowfield, high-humid, windy and dusty area

Linear Performance Warranty



Memodo Customized Modules











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* 80% Front Static Load Snow load 5400Pa, Wind load 2400Pa

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

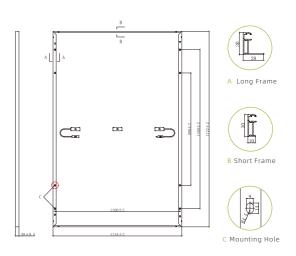
Temperature Coefficient		
Temperature Coefficient of Pmax*	-0.300%/°C	
Temperature Coefficient of Voc	-0.250%/°C	
Temperature Coefficient of Isc	+0.045%/°C	
Nominal Operating Cell Temperature (NOCT)	42±2℃	
*Temperature Coefficient of Pmax±0.03%/°C		

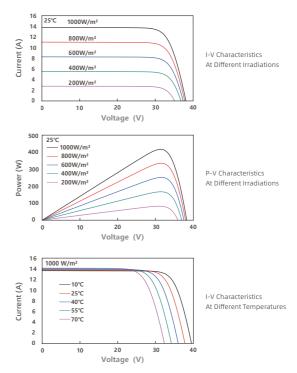
Mechanical Properties	
Cell Size	182.00mm*91.00mm
Number of Cells	108pcs(6*18)
Module Dimension	1722mm*1134mm*30mm
Weight	24.5kg
Front / Rear Glass*	2.0mm/2.0mm
Frame	Anodized Aluminium Alloy
Junction Box	IP68 (3 diodes)
Length of Cable	4.0mm², 1.4m

MC4 Original

Connector *Heat strengthened glass

Peak Power MPP Voltage MPP Current Open Circuit Voltage Short Circuit Current Power Gain (Pmax) (W) (Vmp) (V) (Imp) (A) (Voc)(V) (Isc) (A) (%) 14.99 10 1413 377 448 317 15 465 31.7 14.65 37.7 15.54 20 481 31.7 15.17 37.7 16.08 25 498 31.7 15.69 37.7 16.62 30 515 31.8 378 17.16 16.20





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



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