

Electrical Properties | STC*

Testing Condition	Front Side	Front Side	Front Side	Front Side	Front Side	Front Side	Front Side
Peak Power (P _{max}) (W)	485	490	495	500	505	510	515
MPP Voltage (V _{mp}) (V)	32.96	33.14	33.32	33.50	33.68	33.86	34.04
MPP Current (I _{mp}) (A)	14.71	14.78	14.85	14.92	14.99	15.06	15.13
Open Circuit Voltage (V _{oc}) (V)	38.43	38.63	38.83	39.03	39.23	39.43	39.63
Short Circuit Current (I _{sc}) (A)	15.60	15.66	15.72	15.78	15.84	15.90	15.96
Module Efficiency (%)	21.8	22.0	22.3	22.5	22.7	22.9	23.2

*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 practical testing Power Measurement Tolerance ±3%

Electrical Properties | NMOT*

Testing Condition	Front Side	Front Side	Front Side	Front Side	Front Side	Front Side	Front Side
Peak Power (P _{max}) (W)	363	367	371	375	378	382	386
MPP Voltage (V _{mp}) (V)	31.56	31.73	31.91	32.08	32.25	32.42	32.60
MPP Current (I _{mp}) (A)	11.51	11.57	11.62	11.67	11.73	11.78	11.83
Open Circuit Voltage (V _{oc}) (V)	36.79	36.99	37.18	37.37	37.56	37.75	37.94
Short Circuit Current (I _{sc}) (A)	12.60	12.65	12.70	12.75	12.80	12.84	12.89

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

Electrical Properties Under Different Rear Gain | JW-HD108N-R2-500

Power Gain (%)	Peak Power (P _{max}) (W)	MPP Voltage (V _{mp}) (V)	MPP Current (I _{mp}) (A)	Open Circuit Voltage (V _{oc}) (V)	Short Circuit Current (I _{sc}) (A)
10	550	33.50	16.42	39.03	17.36
15	575	33.50	17.16	39.03	18.15
20	600	33.60	17.86	39.13	18.89
25	625	33.60	18.60	39.13	19.68
30	650	33.60	19.35	39.13	20.47

Operating Properties

Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage (V)	1500V DC (IEC)
Maximum Series Fuse Rating (A)	35A
Bifaciality*	80%
Static Load	Front side 5400Pa, Rear side 2400Pa

*Bifaciality=P_{max}rear (STC) / P_{max}front (STC) , Bifaciality tolerance:±5%

Temperature Coefficient

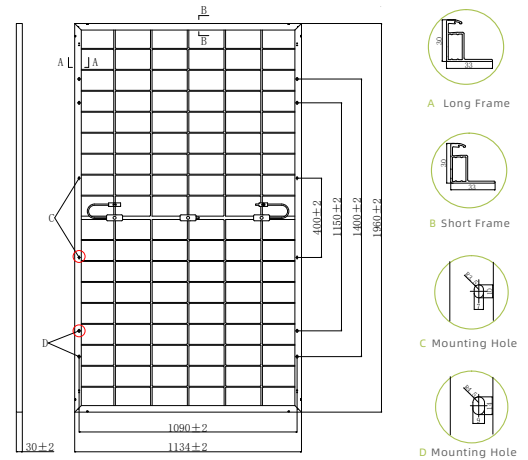
Temperature Coefficient of P _{max}	-0.280%/°C
Temperature Coefficient of V _{oc}	-0.250%/°C
Temperature Coefficient of I _{sc}	+0.045%/°C
Nominal Operating Cell Temperature	45±2°C

Mechanical Properties

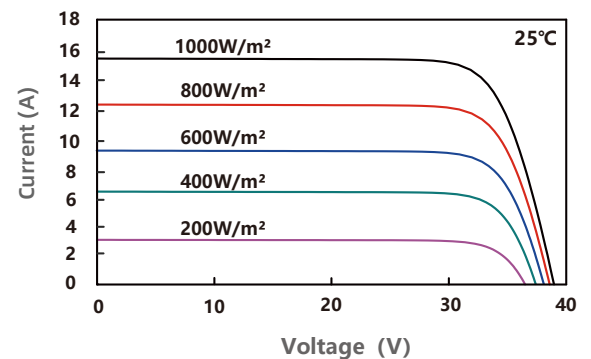
Number of Cells	108pcs
Module Dimension	1960mm*1134mm*30mm
Weight	27.3kg
Front / Rear Glass	2.0mm/2.0mm Heat-strengthened glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 (3 diodes)
Length of Cable	4.0mm ² , +1300mm/-1300mm (Cable length can be customized)
Packaging Configuration	37pcs/Pallet, 888pcs/40'HQ

*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Jolywood (Taizhou) Solar Technology Co., Ltd. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

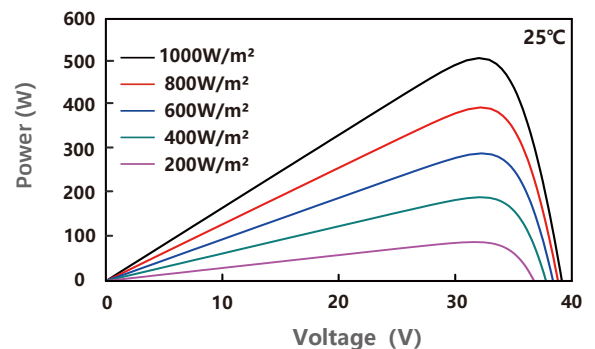
Engineering Drawing (unit: mm)



Characteristic Curves | JW-HD108N-R2-500



I-V Characteristics At Different Irradiations



P-V Characteristics At Different Irradiations

