

M6 HALF CELL MONO

410W-425W

132 CELL

M6 MBB MONO PERC

410W-425W

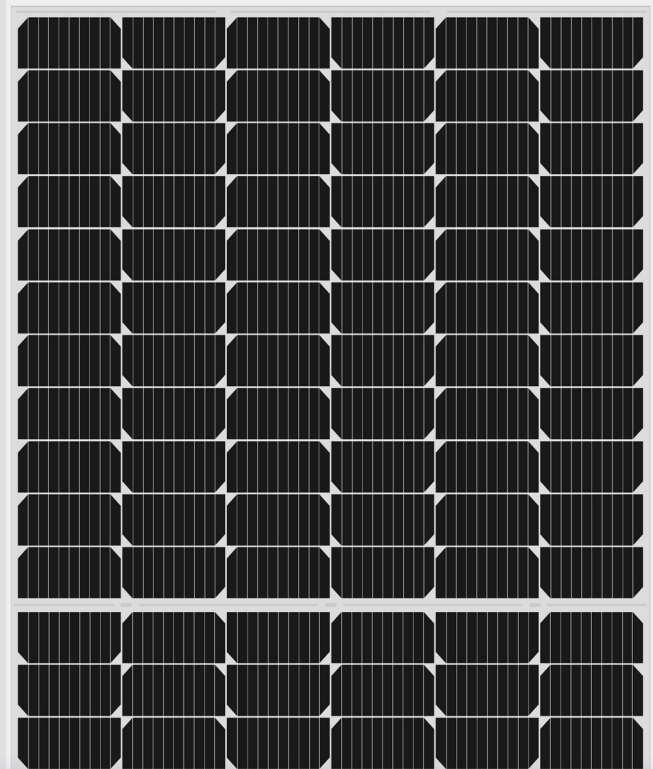
POWER OUTPUT RANGE

21.3%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power

Effectively reduce the unit cost of PV solar system by watt



Optimize the temperature coefficient

Improve the performance under the condition of shadow and low temperature coefficient



Reduce the shadow loss on the power output

Effectively reduce the risk of heat spot on high efficiency



Stronger the physical property

Optimize the property of power generating and reliability of the system

LINEAR PERFORMANCE WARRANTY



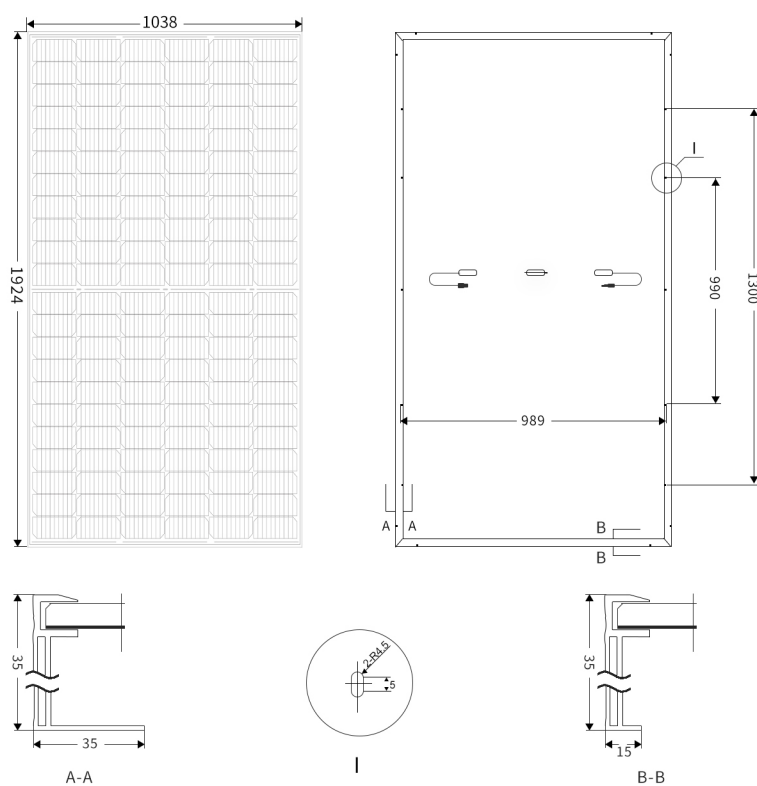
Module Type		PW-66M410HM6		PW-66M415HM6		PW-66M420HM6		PW-66M425HM6	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	410	306.2	415	309.9	420	313.7	425	317.4
Maximum Power Voltage	$V_{MPP}(V)$	38.00	35.38	38.20	35.57	38.40	35.76	38.60	35.94
Maximum Power Current	$I_{MPP}(A)$	10.79	8.65	10.87	8.71	10.94	8.77	11.02	8.83
Open Circuit Voltage	$V_{oc}(V)$	45.20	42.37	45.40	42.56	45.60	42.75	45.80	42.94
Short Circuit Current	$I_{sc}(A)$	11.57	9.36	11.65	9.42	11.73	9.49	11.81	9.55
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	20.5		20.8		21.0		21.3	

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

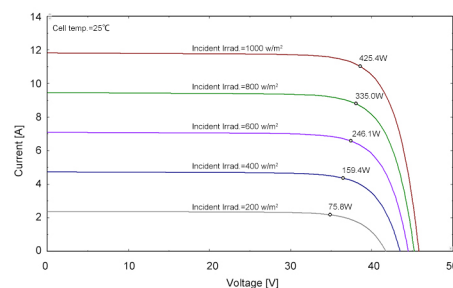
Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1

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

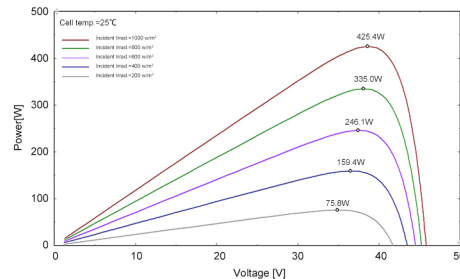
DIMENSIONS OF PV MODULE



I-V CURVES OF PV MODULE(425W)



P-V CURVES OF PV MODULE(425W)



MECHANICAL DATA | **TEMPERATURE RATINGS**

Solar Cells	MBB Mono PERC 166x83mm	Nominal Operating Cell Temperature(NOCT)	45±2°C
Cell Orientation	132cells (6 x 22)	Temperature Coefficient of P_{MAX}	-0.350%/°C
Module Dimensions	1924 x 1038 x 35mm	Temperature Coefficient of V_{oc}	-0.270%/°C
Weight	22.0kg	Temperature Coefficient of I_{sc}	+0.048%/°C
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass -3.2mm	MAXIMUM RATING	
Backsheet	White	Operational Temperature	-40 to +85°C
Frame	Silver Anodized Aluminium Alloy (Black Available)	Maximum System Voltage	1500V DC
J-Box	IP 67 rated	Max Series Fuse Rating	20A
Cables	Photovoltaic Technology cable 4.0mm ² , 350mm	Mechanical Load	5400pa
Connector	MC4 Compatible	Wind Load	2400pa

PACKING CONFIGURATION	Modules per box: 31 pieces	Modules per 40' container: 792 pieces
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