

M6 HALF CELL MONO **430W-450W**

144 CELL

M6 MBB MONO PERC

20.7%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



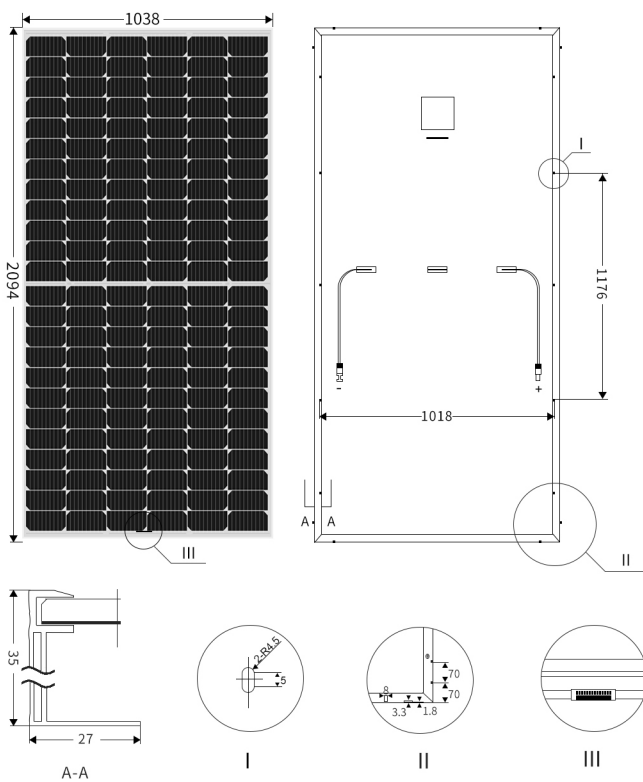
Reduce Equipment & Material Cost



Module Type		PW-72M430HM6		PW-72M435HM6		PW-72M440HM6		PW-72M445HM6		PW-72M450HM6	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	430	318.3	435	322	440	325.8	445	329.8	450	333.2
Maximum Power Voltage	$V_{MPP}(V)$	40.59	37.48	40.79	37.68	40.99	37.88	41.19	38.07	41.39	38.26
Maximum Power Current	$I_{MPP}(A)$	10.6	8.48	10.67	8.54	10.74	8.59	10.81	8.64	10.88	8.7
Open Circuit Voltage	$V_{OC}(V)$	49.22	45.88	49.42	46.08	49.62	46.28	49.86	46.52	50.1	46.76
Short Circuit Current	$I_{SC}(A)$	11.21	9	11.28	9.06	11.35	9.11	11.41	9.16	11.48	9.22
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	19.8		20.0		20.2		20.5		20.7	

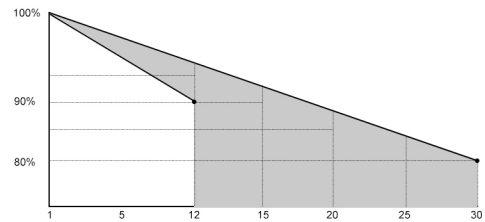
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty 30 Year Linear Power Warranty



TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of P_{MAX}	-0.36%/°C
Temperature Coefficient of V_{OC}	-0.28%/°C
Temperature Coefficient of I_{SC}	+0.048%/°C

MAXIMUM RATING

Operational Temperature	-40 to +85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	20A
Mechanical Load	5400pa
Wind Load	2400pa

MECHANICAL DATA

Solar Cells	MBB Mono PERC 166 x 83mm	
Cell Orientation	144 Cells (6 x 24)	
Module Dimensions	2094 x 1038 x 35mm	
Weight	23.5kg	
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass -3.2mm	
Backsheet	White	
Frame	Silver Anodized Aluminium Alloy (Black Available)	
J-Box	IP 68 Rated	
Cables	Photovoltaic Technology Cable 4.0mm ² , 350mm	
Connector	MC4 Compatible	
PACKAGING CONFIGURATION	Modules per Box: 31 Pieces	Modules per 40' Container: 726 Pieces

© Powitt Solar Co., Ltd All rights reserved. Specifications included in this datasheet are subject to change without notice.