

M10 P-TYPE MODULE

490W-510W

Premium Quality *Monofacial*

132 CELL

M10 MONO PERC

21.48%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



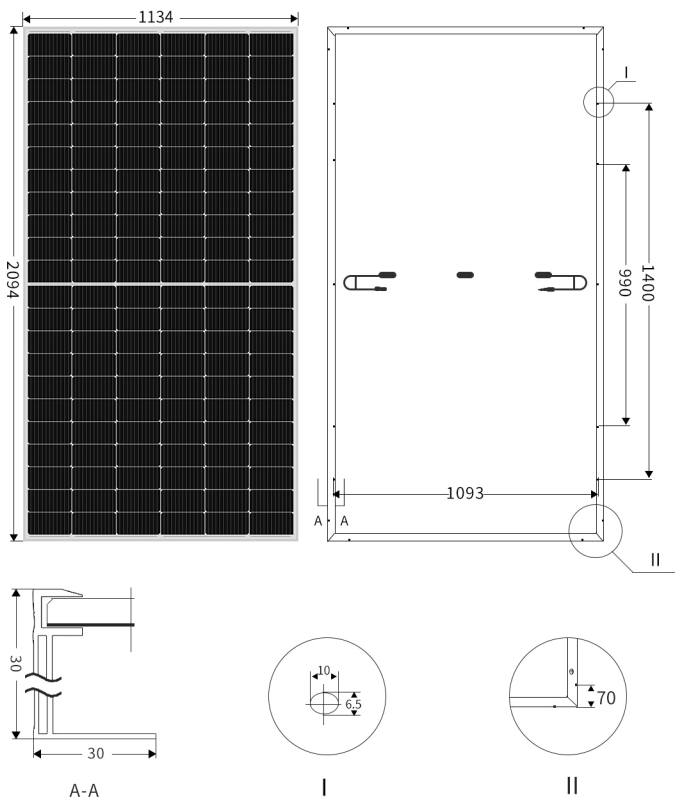
Reduce Equipment & Material Cost



Module Type		PW-66M490HM10		PW-66M495HM10		PW-66M500HM10		PW-66M505HM10		PW-66M510HM10	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	490	371	495	375	500	378	505	382	510	386
Maximum Power Voltage	$V_{MPP}(V)$	37.22	34.73	37.30	34.90	37.40	35.07	37.50	35.24	37.60	35.41
Maximum Power Current	$I_{MPP}(A)$	13.17	10.68	13.27	10.74	13.37	10.78	13.47	10.84	13.57	10.90
Open Circuit Voltage	$V_{OC}(V)$	45.02	42.71	45.28	42.79	45.38	42.89	45.48	42.99	45.58	43.09
Short Circuit Current	$I_{SC}(A)$	13.85	11.33	13.92	11.38	13.99	11.43	14.06	11.48	14.13	11.53
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	20.64		20.85		21.06		21.27		21.48	

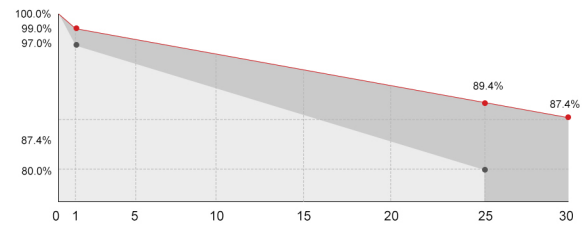
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

DIMENSIONS OF PV MODULE



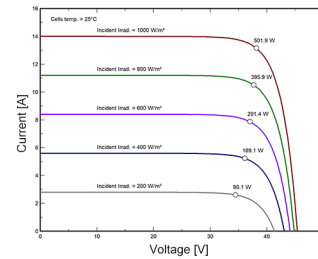
LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty

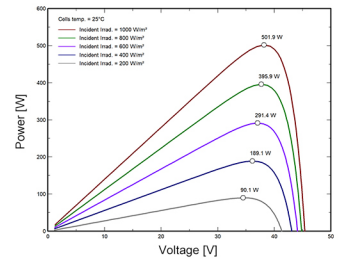


Standard linear power output guarantee Powitt linear power output guarantee

I-V CURVE (500W)



P-V CURVE (500W)



MECHANICAL DATA

Cell Type	Mono PERC
No. of Cells	132 (6 x 22)
Module Dimensions	2094 x 1134 x 30mm
Weight	25.2kg
Glass	Anti-Reflective, AR Coated and Heat Tempered Solar Glass-3.2mm
Backsheet	White
Frame	Anodized Aluminium Alloy
Junction Box	IP 68 Rated
Cables	4.0mm ² , 350mm or Customized Length
Connector	MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of P_{MAX}	-0.35%/°C
Temperature Coefficient of V_{OC}	-0.28%/°C
Temperature Coefficient of I_{SC}	+0.048%/°C

MAXIMUM RATINGS

Operational Temperature	-40 to +85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A
Mechanical Load	5400pa
Wind Load	2400pa

PACKAGING CONFIGURATION 36 pcs/Pallet, 792 pcs/40'HQ

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FUTURE POWER AT TODAY