

M10 P-TYPE MODULE

400W-420W

Premium Quality *Bifacial Transparent Backsheet*

108 CELL

M10 MONO PERC

21.51%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost



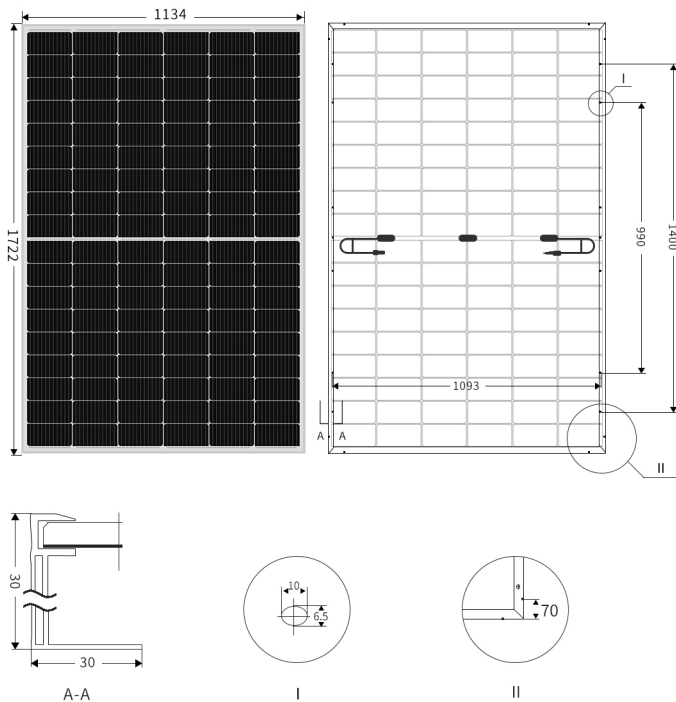
Module Type		PW-54M400HM10		PW-54M405HM10		PW-54M410HM10		PW-54M415HM10		PW-54M420HM10	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	400	298	405	301	410	305	415	309	420	312
Maximum Power Voltage	$V_{MPP}(V)$	30.42	28.42	30.52	28.56	30.62	28.72	30.79	28.88	30.91	29.01
Maximum Power Current	$I_{MPP}(A)$	13.15	10.47	13.27	10.55	13.39	10.62	13.48	10.69	13.59	10.76
Open Circuit Voltage	$V_{OC}(V)$	36.98	34.90	37.06	34.98	37.14	35.05	37.31	35.21	37.43	35.39
Short Circuit Current	$I_{SC}(A)$	13.78	11.13	13.85	11.19	13.92	11.24	14.01	11.32	14.12	11.38
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	20.48		20.74		21.00		21.25		21.51	

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.

BIFACIAL OUTPUT-REAR SIDE POWER GAIN 10% FOR REFERENCE

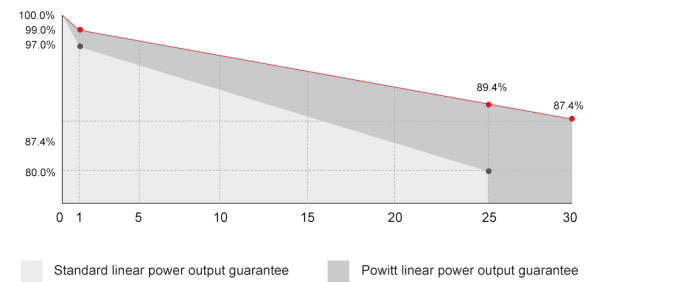
Module Type	PW-54M400HM10	PW-54M405HM10	PW-54M410HM10	PW-54M415HM10	PW-54M420HM10
Pmax (W)	440	445.5	451	456.5	462
Voc (V)	36.98	37.06	37.14	37.31	37.43
Isc (A)	15.28	15.42	15.56	15.66	15.79
Vmp (V)	30.42	30.52	30.62	30.79	30.91
Imp (A)	14.46	14.60	14.73	14.83	14.95

DIMENSIONS OF PV MODULE

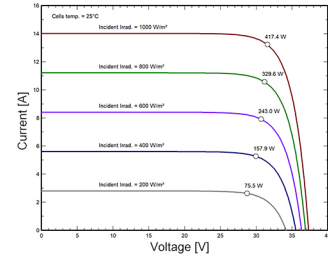


LINEAR PERFORMANCE WARRANTY

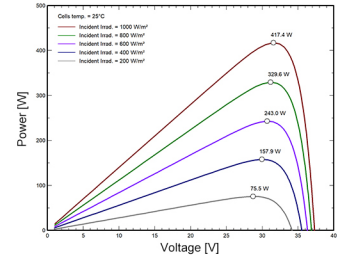
15 Year Product Warranty 30 Year Linear Power Warranty



I-V CURVE (415W)



P-V CURVE (415W)



MECHANICAL DATA

Cell Type	Mono PERC	TEMPERATURE RATINGS	Nominal Operating Cell Temperature(NOCT)	45±2°C
No. of Cells	108 (6 x 18)	Temperature Coefficient of P_{MAX}		-0.35%/°C
Module Dimensions	1722 x 1134 x 30mm	Temperature Coefficient of V_{OC}		-0.28%/°C
Weight	20kg	Temperature Coefficient of I_{SC}		+0.048%/°C
Glass	Anti-Reflective, AR Coated and Heat Tempered Solar Glass-3.2mm	MAXIMUM RATINGS	Operational Temperature	-40 to +85°C
Backsheet	Transparent	Maximum System Voltage		1500V DC
Frame	Anodized Aluminium Alloy	Max Series Fuse Rating		25A
Junction Box	IP 68 Rated	Mechanical Load		5400pa
Cables	4.0mm ² , 350mm or Customized Length	Wind Load		2400pa
Connector	MC4 Compatible			

PACKAGING CONFIGURATION 36 pcs/Pallet, 936 pcs/40'HQ

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