

M10 MONO MODULE **N** TYPE

420W-440W

Premium Quality *Monofacial*

108 CELL

M10 MONO N-TYPE

22.53%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



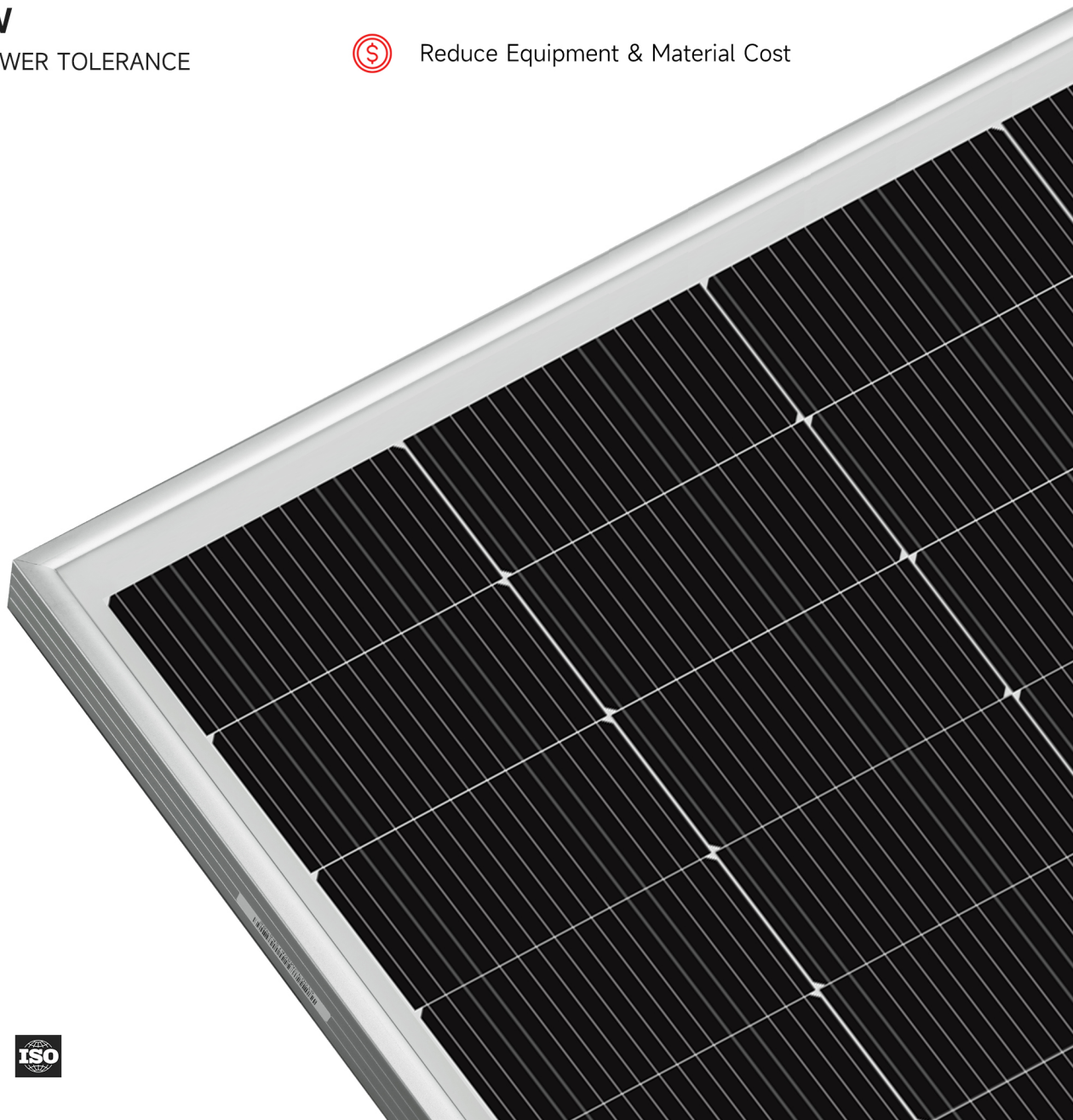
For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost

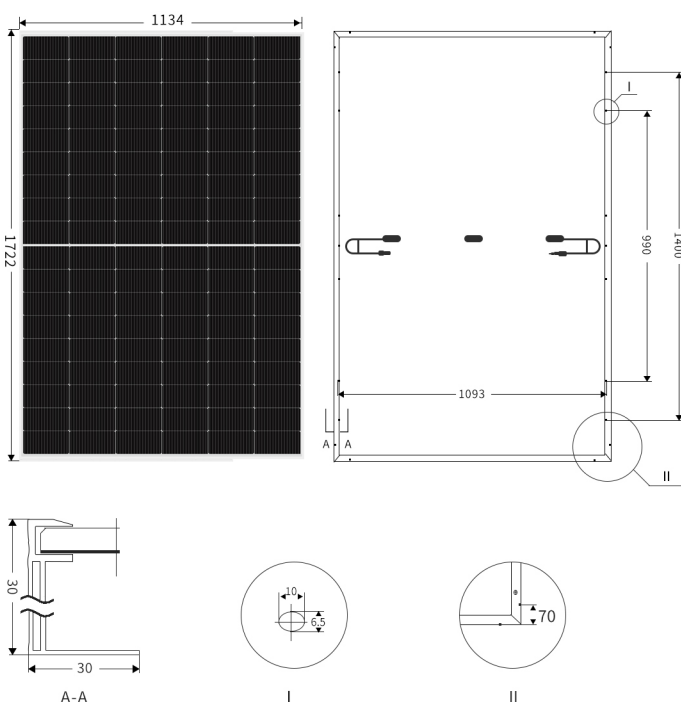


Module Type		PW-54M420HM10		PW-54M425HM10		PW-54M430HM10		PW-54M435HM10		PW-54M440HM10	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	420	316.8	425	320.6	430	324.4	435	328.2	440	331.9
Maximum Power Voltage	$V_{MPP}(V)$	31.52	29.58	31.71	29.75	31.90	29.93	32.09	30.11	32.28	30.29
Maximum Power Current	$I_{MPP}(A)$	13.33	10.75	13.41	10.81	13.48	10.87	13.56	10.93	13.64	11.00
Open Circuit Voltage	$V_{OC}(V)$	38.15	36.44	38.38	36.66	38.61	36.88	38.84	37.10	39.07	37.32
Short Circuit Current	$I_{SC}(A)$	14.08	11.37	14.16	11.43	14.24	11.49	14.32	11.56	14.41	11.63
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	21.51		21.76		22.02		22.28		22.53	

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

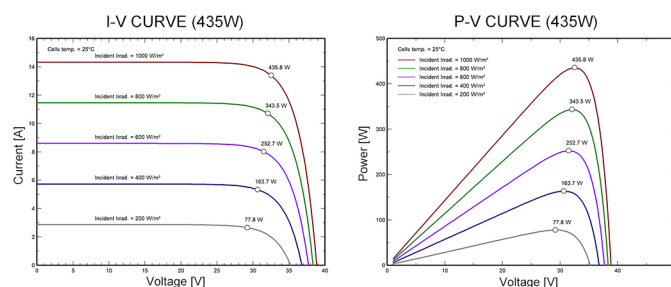
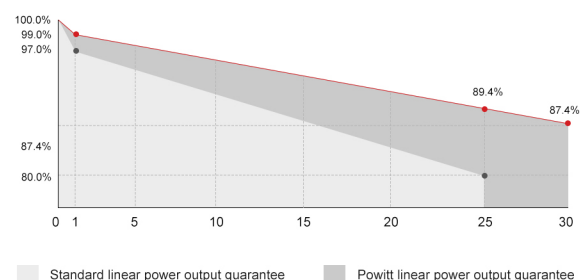
NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty



MECHANICAL DATA		TEMPERATURE RATINGS	
Cell Type	Mono N-TYPE	Nominal Operating Cell Temperature(NOCT)	45±2°C
No. of Cells	108 (6 x 18)	Temperature Coefficient of P_{MAX}	-0.30%/°C
Module Dimensions	1722 x 1134 x 30mm	Temperature Coefficient of V_{OC}	-0.25%/°C
Weight	20kg	Temperature Coefficient of I_{SC}	+0.046%/°C
Glass	Anti-Reflective, AR Coated and Heat Tempered Solar Glass-3.2mm	MAXIMUM RATINGS	
Backsheet	White	Operational Temperature	-40 to +85°C
Frame	Anodized Aluminium Alloy	Maximum System Voltage	1500V DC
Junction Box	IP 68 Rated	Max Series Fuse Rating	25A
Cables	4.0mm², 350mm or Customized Length	Mechanical Load	5400pa
Connector	MC4 Compatible	Wind Load	2400pa
PACKAGING CONFIGURATION	36 pcs/Pallet, 936 pcs/40'HQ		

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