

N-TYPE MODULE

430W-460W

Premium Quality *Monofacial*

144 CELL

MONO N-TYPE

23.02%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



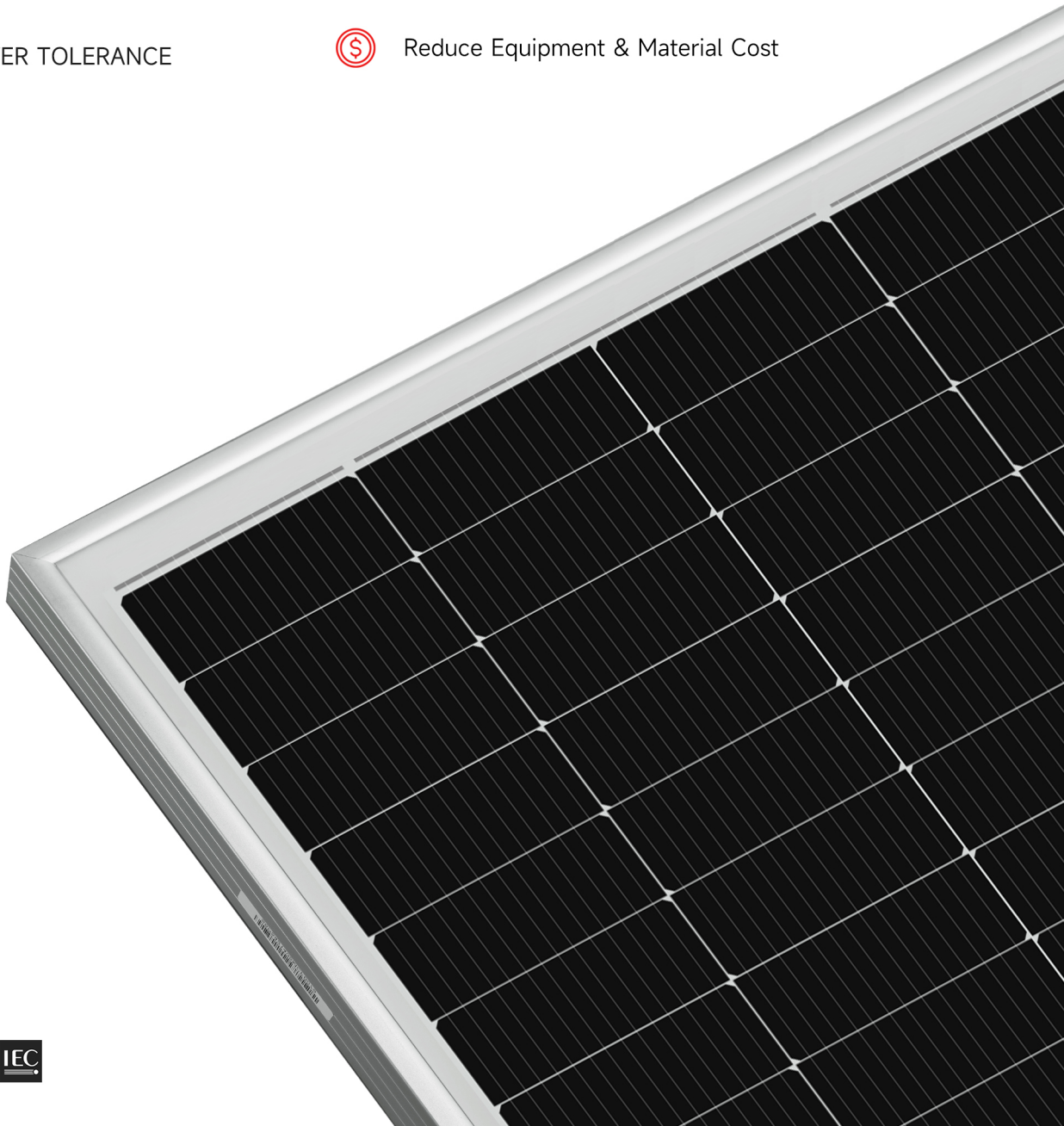
For Environment For Future



Optimize the Temperature Coefficient



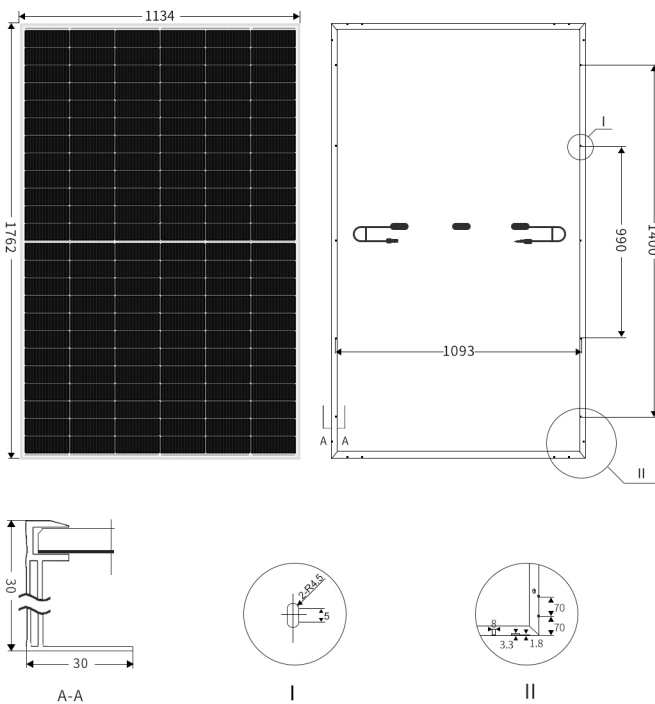
Reduce Equipment & Material Cost



Module Type		PW-144M430HP		PW-144M435HP		PW-144M440HP		PW-144M445HP		PW-144M450HP		PW-144M455HP		PW-144M460HP	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	430.00	324.35	435.00	328.12	440.00	331.89	445.00	335.66	450.00	339.44	455.00	343.21	460.00	346.98
Maximum Power Voltage	$V_{MPP}(V)$	41.65	39.15	41.86	39.35	42.07	39.55	42.28	39.74	42.49	39.94	42.70	40.14	42.92	40.34
Maximum Power Current	$I_{MPP}(A)$	10.32	8.28	10.39	8.34	10.46	8.39	10.53	8.45	10.59	8.50	10.66	8.55	10.72	8.60
Open Circuit Voltage	$V_{OC}(V)$	49.98	46.98	50.23	47.22	50.48	47.45	50.74	47.69	50.97	47.93	51.24	48.17	51.50	48.41
Short Circuit Current	$I_{SC}(A)$	10.84	8.70	10.91	8.76	10.98	8.81	11.05	8.87	11.12	8.92	11.19	8.98	11.25	9.03
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	21.52		21.77		22.02		22.27		22.52		22.77		23.02	

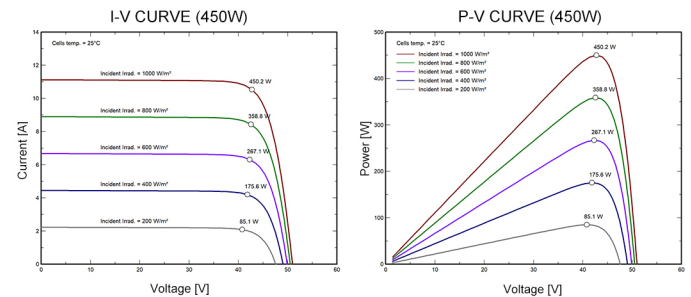
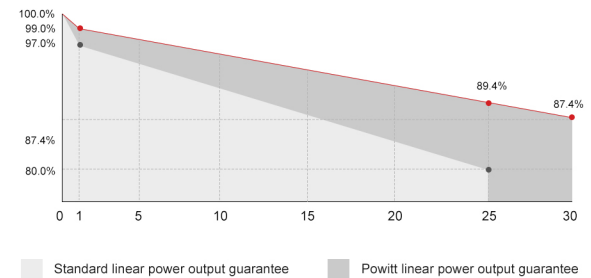
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

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	144 (6 x 24)	Temperature Coefficient of P_{MAX}	-0.30%/°C
Module Dimensions	1762 x 1134 x 30mm	Temperature Coefficient of V_{OC}	-0.25%/°C
Weight	19.5kg	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	20A
Cables	4.0mm ² , 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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