

N-TYPE MODULE

430W-460W

Premium Quality *Bifacial Transparent Backsheet*

144 CELL

MONO N-TYPE

23.02%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



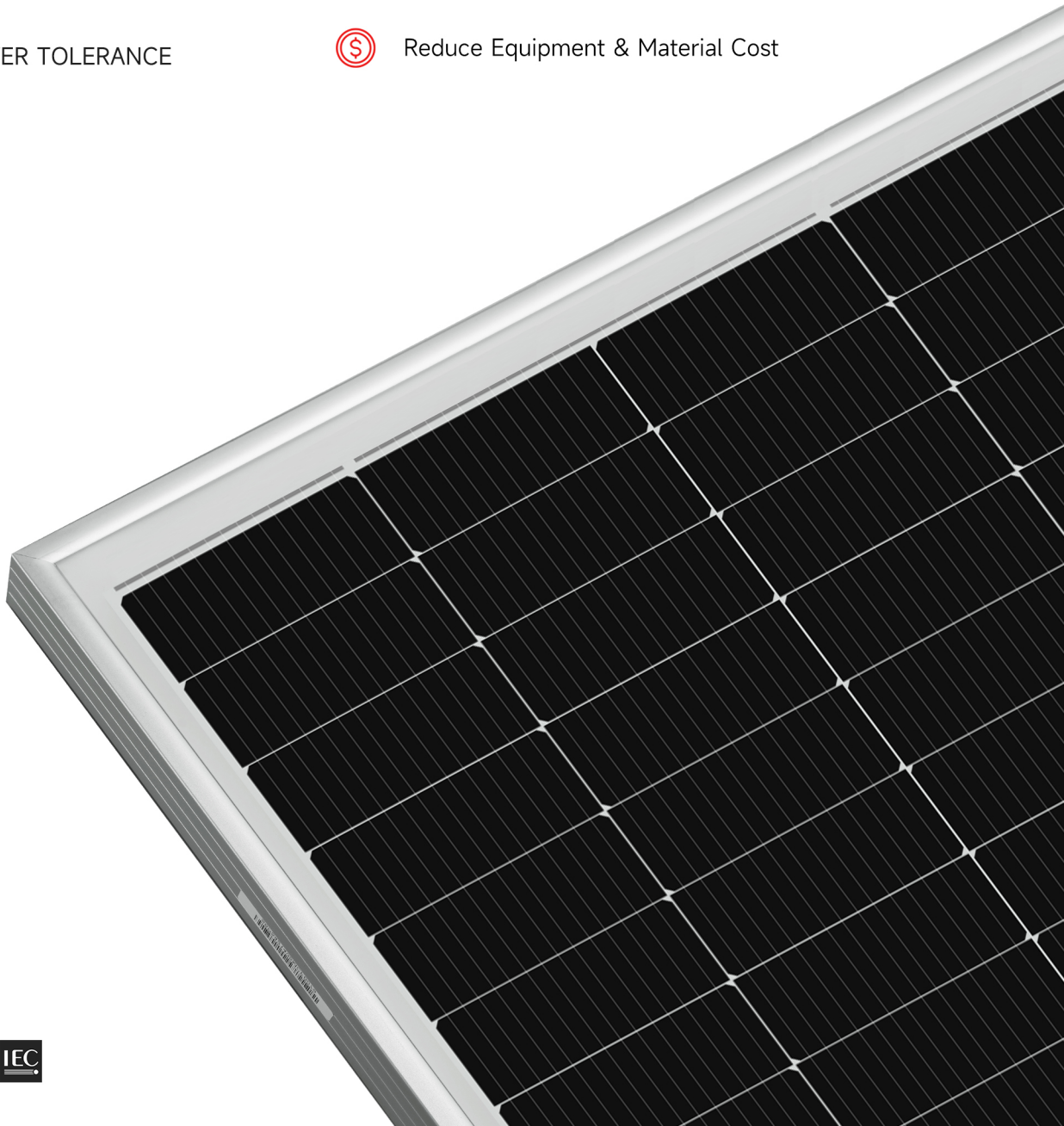
For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost



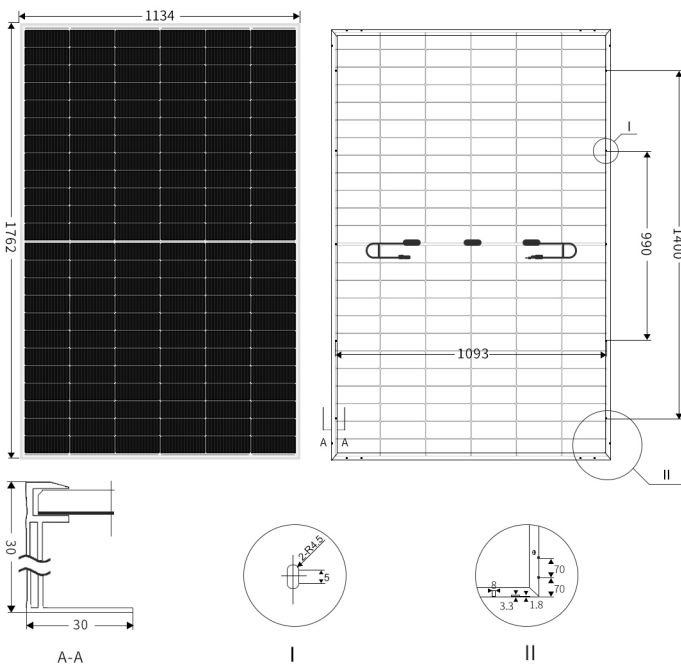
Module Type		PW-144M430HP		PW-144M435HP		PW-144M440HP		PW-144M445HP		PW-144M450HP		PW-144M455HP		PW-144M460HP	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	P _{MAX} (W)	430.00	324.35	435.00	328.12	440.00	331.89	445.00	335.66	450.00	339.44	455.00	343.21	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.

BIFACIAL OUTPUT-REAR SIDE POWER GAIN 10% FOR REFERENCE

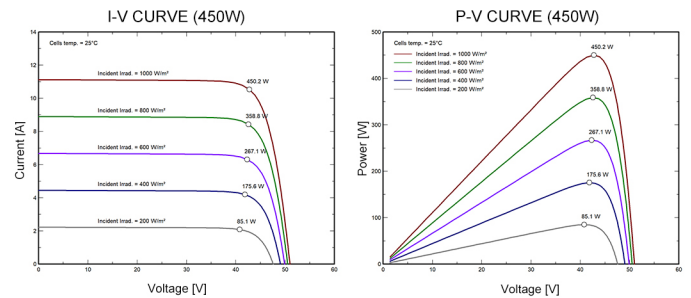
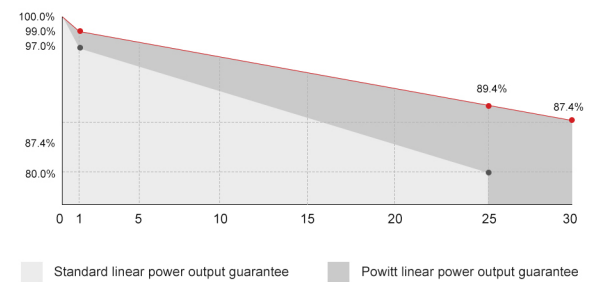
Module Type	PW-144M430HP	PW-144M435HP	PW-144M440HP	PW-144M445HP	PW-144M450HP	PW-144M455HP	PW-144M460HP
Pmax (W)	473	478.5	484	489.5	495	500.5	506
Voc (V)	49.98	50.23	50.48	50.74	50.97	51.24	51.5
Isc (A)	12.00	12.07	12.15	12.23	12.31	12.38	12.45
Vmp (V)	41.65	41.86	42.07	42.28	42.49	42.7	42.92
Imp (A)	11.36	11.43	11.50	11.58	11.65	11.72	11.79

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty



MECHANICAL DATA

Cell Type	Mono N-TYPE
No. of Cells	144 (6 x 24)
Module Dimensions	1762 x 1134 x 30mm
Weight	19.5kg
Glass	Anti-Reflective, AR Coated and Heat Tempered Solar Glass-3.2mm
Backsheet	Transparent
Frame	Anodized Aluminium Alloy
Junction Box	IP 68 Rated
Cables	4.0mm ² , 350mm or Customized Length
Connector	MC4 Compatible

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

TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of P_{MAX}	-0.30%/°C
Temperature Coefficient of V_{OC}	-0.25%/°C
Temperature Coefficient of I_{SC}	+0.046%/°C

MAXIMUM RATINGS

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

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Version No. PWS202311V03



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FUTURE POWER AT TODAY