

M10 MONO MODULE **N** TYPE

580W-600W

Premium Quality *Monofacial*

144 CELL

M10 MONO N-TYPE

23.23%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



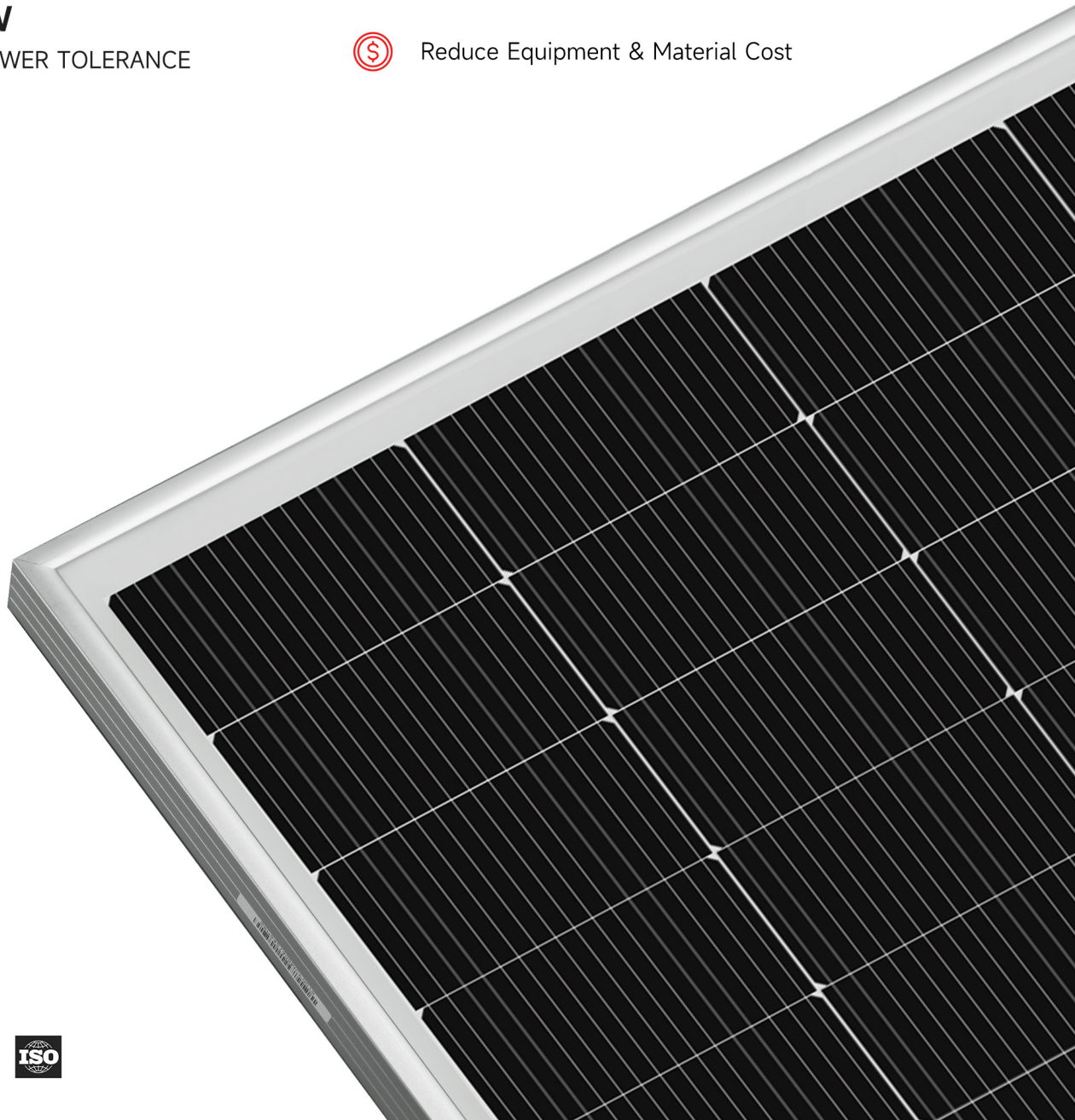
For Environment For Future



Optimize the Temperature Coefficient



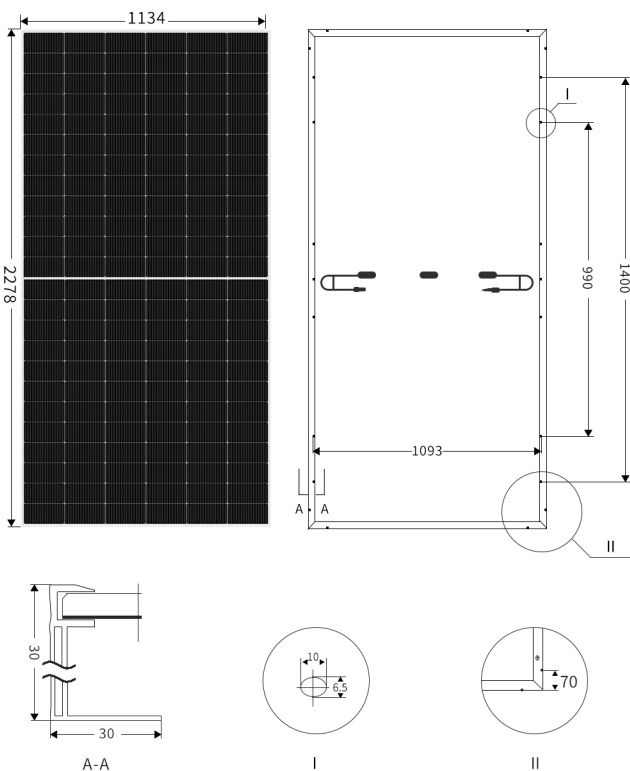
Reduce Equipment & Material Cost



Module Type		PW-72M580HM10		PW-72M585HM10		PW-72M590HM10		PW-72M595HM10		PW-72M600HM10	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	580	438.9	585	442.6	590	446.3	595	450	600	453.7
Maximum Power Voltage	$V_{MPP}(V)$	45.04	43.34	45.25	43.53	45.46	43.72	45.67	43.91	45.88	44.1
Maximum Power Current	$I_{MPP}(A)$	12.88	10.12	12.93	10.16	12.98	10.2	13.03	10.24	13.08	10.28
Open Circuit Voltage	$V_{OC}(V)$	52.8	50.22	53	50.41	53.2	50.6	53.4	50.79	53.6	50.98
Short Circuit Current	$I_{SC}(A)$	13.5	10.63	13.54	10.67	13.58	10.71	13.62	10.75	13.66	10.79
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	22.45		22.65		22.84		23.03		23.23	

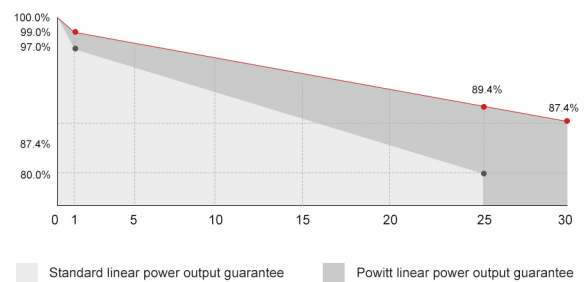
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

DIMENSIONS OF PV MODULE

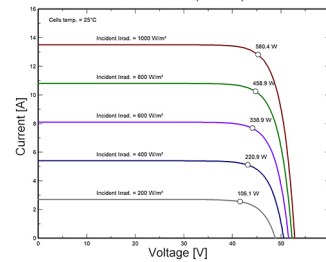


LINEAR PERFORMANCE WARRANTY

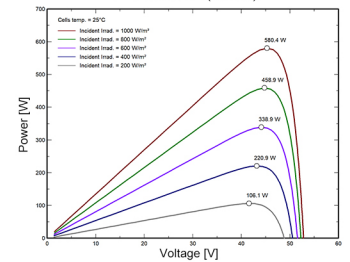
15 Year Product Warranty 30 Year Linear Power Warranty



I-V CURVE (580W)



P-V CURVE (580W)



MECHANICAL DATA

Cell Type	Mono N-TYPE
No. of Cells	144 (6 x 24)
Module Dimensions	2278 x 1134 x 30mm
Weight	27kg
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}	-0.30%/°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	25A
Mechanical Load	5400pa
Wind Load	2400pa

PACKAGING CONFIGURATION 37 pcs/Pallet, 740 pcs/40'HQ

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