

M10 MONO MODULE **N** TYPE

# 565W-585W

Premium Quality *Monofacial*

## 144 CELL

M10 MONO N-TYPE

## 22.65%

MAXIMUM EFFICIENCY

## 0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



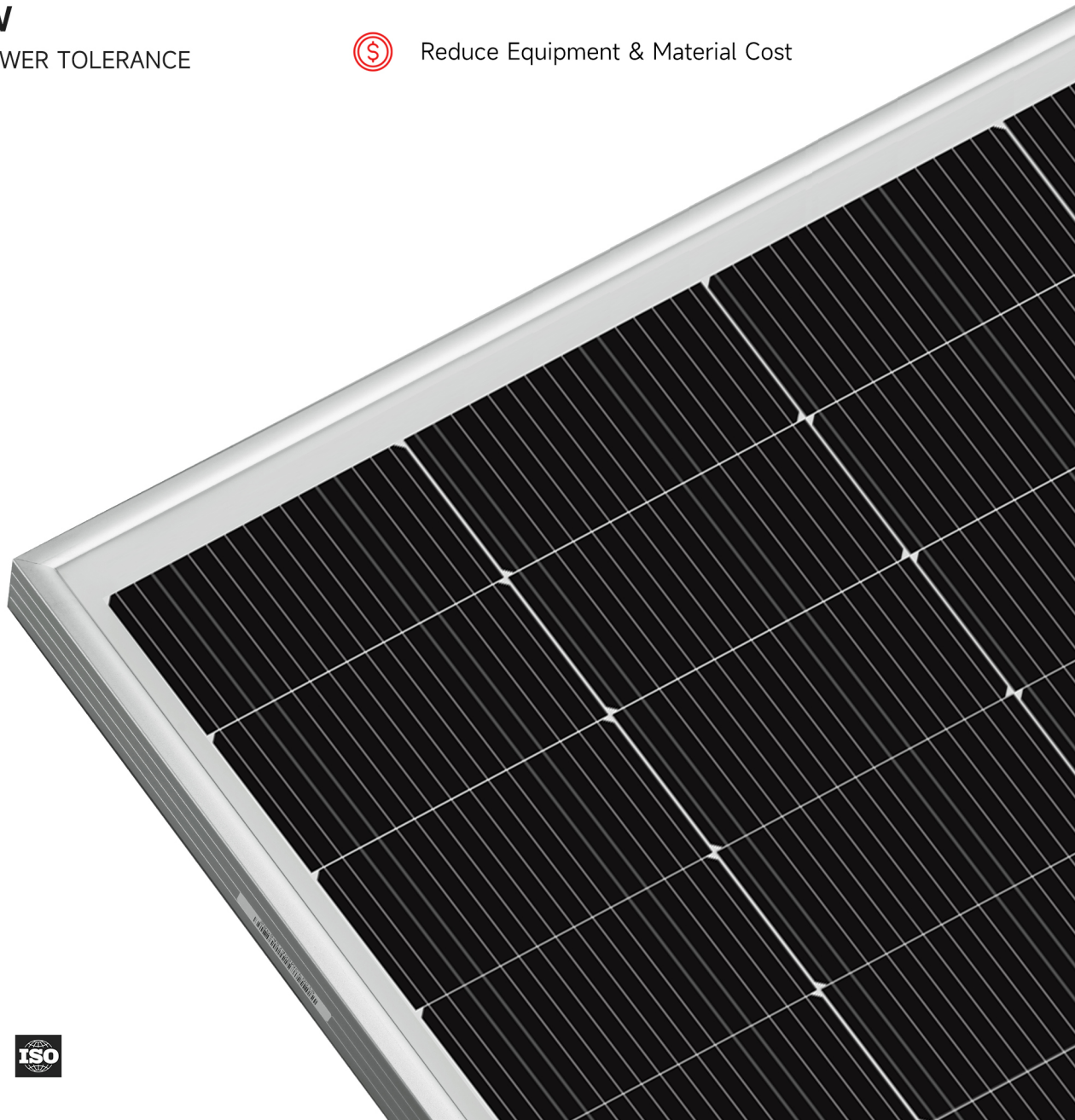
For Environment For Future



Optimize the Temperature Coefficient



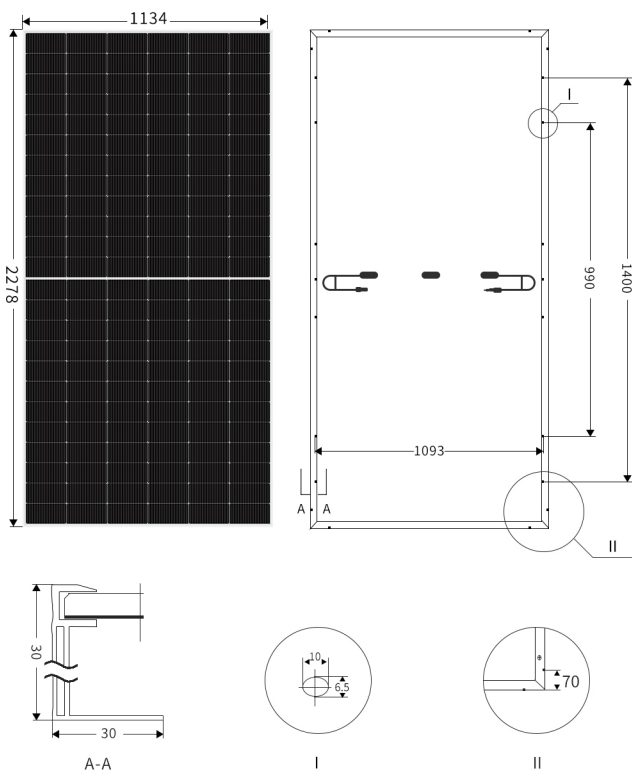
Reduce Equipment & Material Cost



Module Type		PW-72M565HM10		PW-72M570HM10		PW-72M575HM10		PW-72M580HM10		PW-72M585HM10	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	565	427.6	570	431.4	575	435.2	580	438.9	585	442.6
Maximum Power Voltage	$V_{MPP}(V)$	44.43	42.6	44.63	42.87	44.83	43.15	45.04	43.34	45.25	43.53
Maximum Power Current	$I_{MPP}(A)$	12.72	10.03	12.77	10.06	12.83	10.08	12.88	10.12	12.93	10.16
Open Circuit Voltage	$V_{OC}(V)$	52.2	49.57	52.4	49.8	52.6	50.03	52.8	50.22	53	50.41
Short Circuit Current	$I_{SC}(A)$	13.38	10.54	13.42	10.56	13.46	10.59	13.5	10.63	13.54	10.67
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	21.87		22.07		22.26		22.45		22.65	

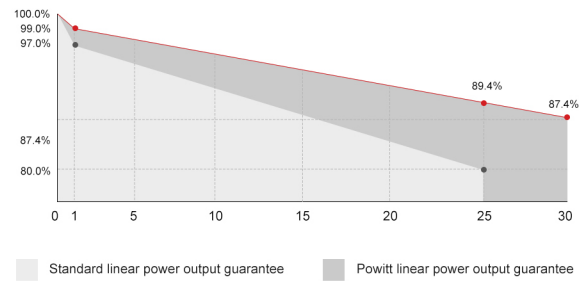
STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m<sup>2</sup> according to EN 60904-1  
 NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

## DIMENSIONS OF PV MODULE

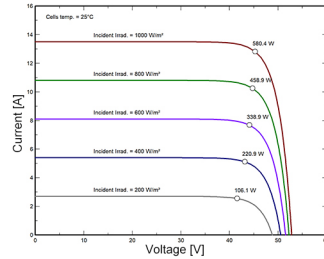


## LINEAR PERFORMANCE WARRANTY

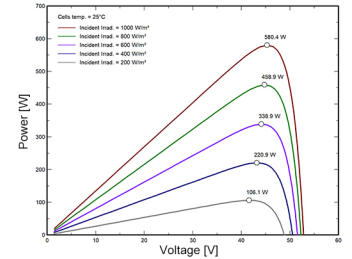
15 Year Product Warranty 30 Year Linear Power Warranty



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 <sup>2</sup> , 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 36 pcs/Pallet, 720 pcs/40'HQ

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FUTURE POWER AT TODAY