

G12 P-TYPE MODULE

# 595W-615W

Premium Quality *Monofacial*

**120 CELL**

M10 MONO PERC

**21.73%**

MAXIMUM EFFICIENCY

**0 to +5W**

POSITIVE POWER TOLERANCE



Higher Output of Power



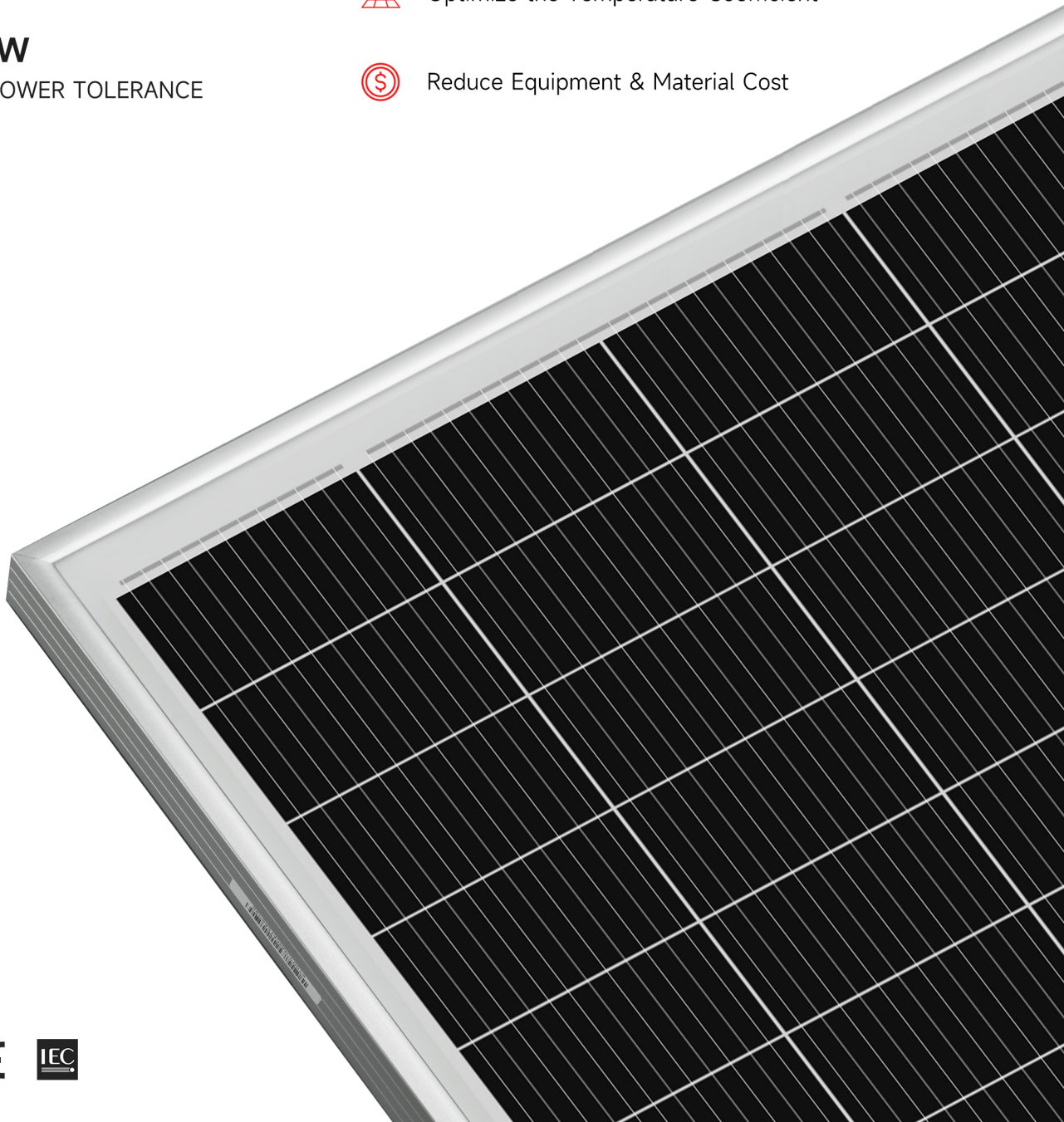
For Environment For Future



Optimize the Temperature Coefficient



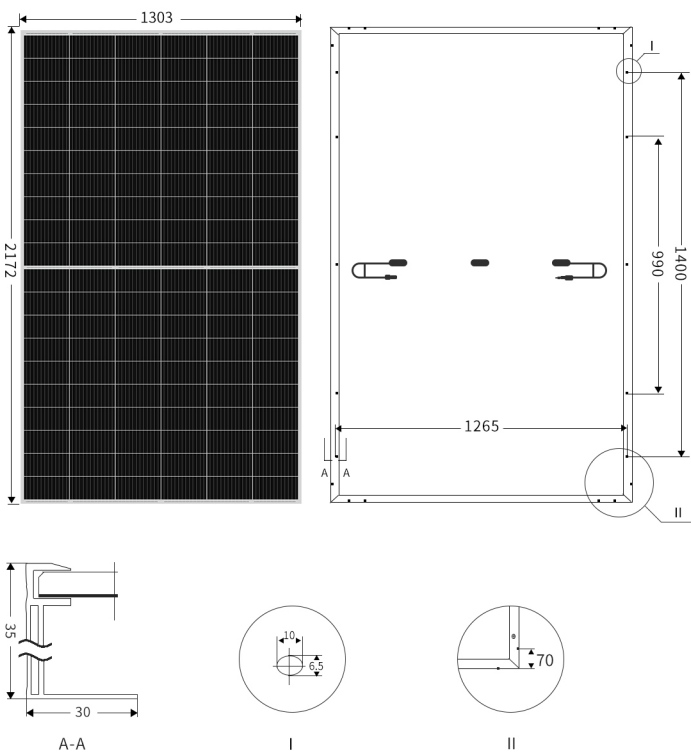
Reduce Equipment & Material Cost



Module Type		PW-60M595HG12		PW-60M600HG12		PW-60M605HG12		PW-60M610HG12		PW-60M615HG12	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	595	451	600	454	605	458	610	462	615	466
Maximum Power Voltage	$V_{MPP}(V)$	34.2	31.90	34.4	32.00	34.6	32.20	34.8	32.4	35	32.6
Maximum Power Current	$I_{MPP}(A)$	17.40	14.13	17.44	14.18	17.49	14.22	17.54	14.26	17.59	14.3
Open Circuit Voltage	$V_{OC}(V)$	41.30	38.90	41.50	39.10	41.70	39.30	41.9	39.5	42.1	39.7
Short Circuit Current	$I_{SC}(A)$	18.47	14.88	18.52	14.92	18.57	14.96	18.62	15	18.67	15.04
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	21.02		21.20		21.38		21.55		21.73	

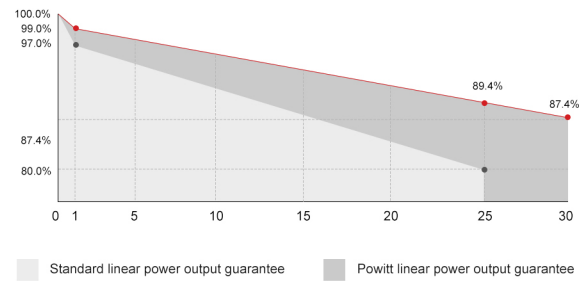
STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m<sup>2</sup> according to EN 60904-1  
 NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

## DIMENSIONS OF PV MODULE

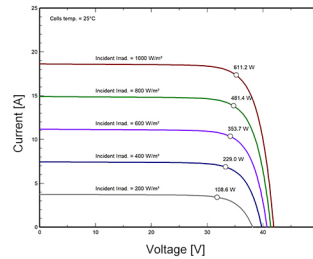


## LINEAR PERFORMANCE WARRANTY

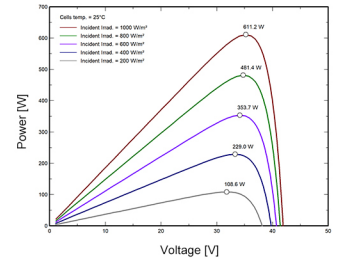
15 Year Product Warranty 30 Year Linear Power Warranty



I-V CURVE (610W)



P-V CURVE (610W)



## MECHANICAL DATA

Cell Type	Mono PERC
No. of Cells	120 (6 x 20)
Module Dimensions	2172 x 1303 x 35mm
Weight	30.9kg
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)	43±2°C
Temperature Coefficient of $P_{MAX}$	-0.35%/°C
Temperature Coefficient of $V_{OC}$	-0.28%/°C
Temperature Coefficient of $I_{SC}$	+0.048%/°C

## MAXIMUM RATINGS

Operational Temperature	-40 to +85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	30A
Mechanical Load	5400pa
Wind Load	2400pa

PACKAGING CONFIGURATION 31 pcs/Pallet, 558 pcs/40'HQ

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