

G12 P-TYPE MODULE

595W-615W

Premium Quality *Bifacial Transparent Backsheet*

120 CELL

M10 MONO PERC

21.73%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



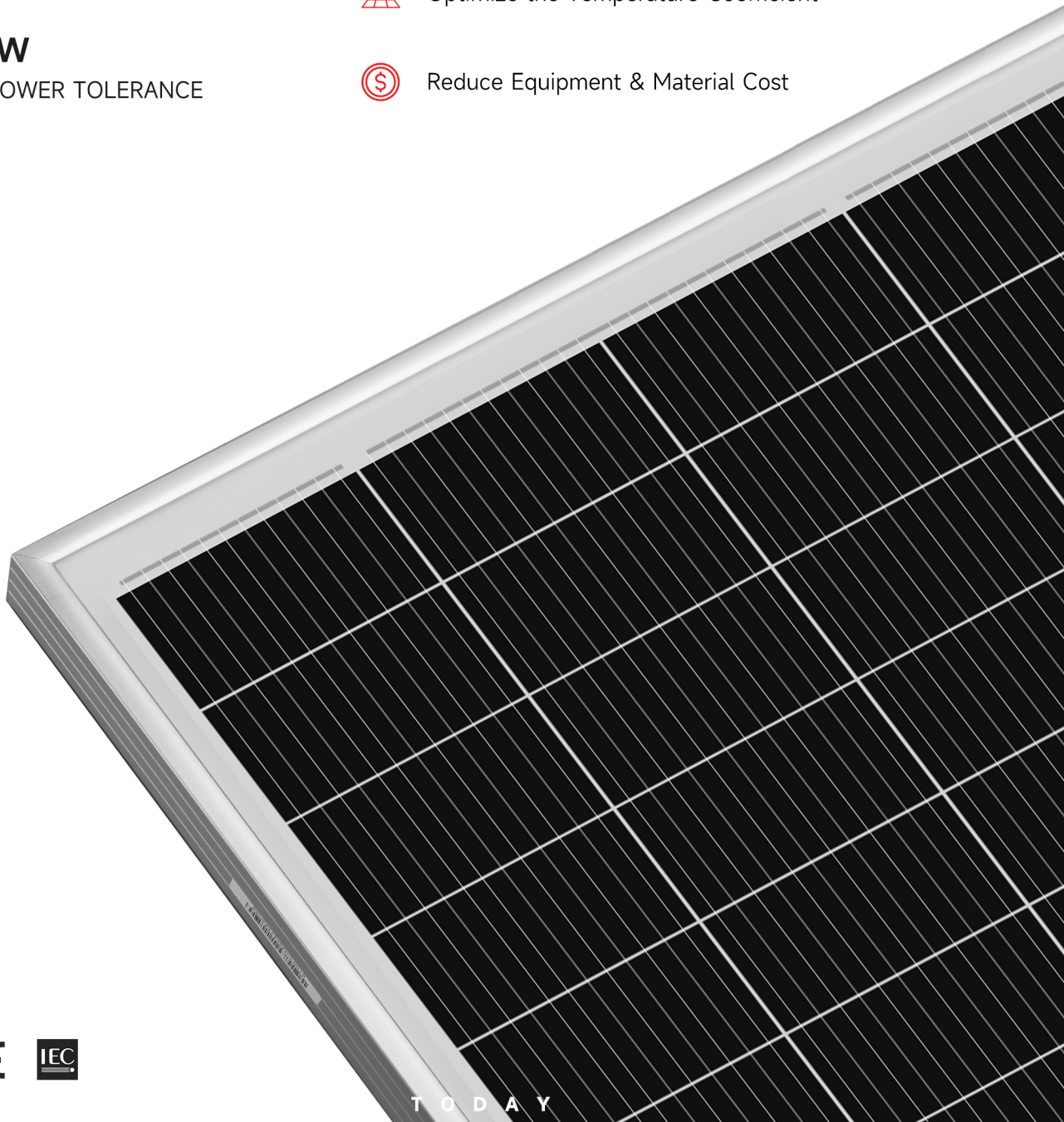
For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost



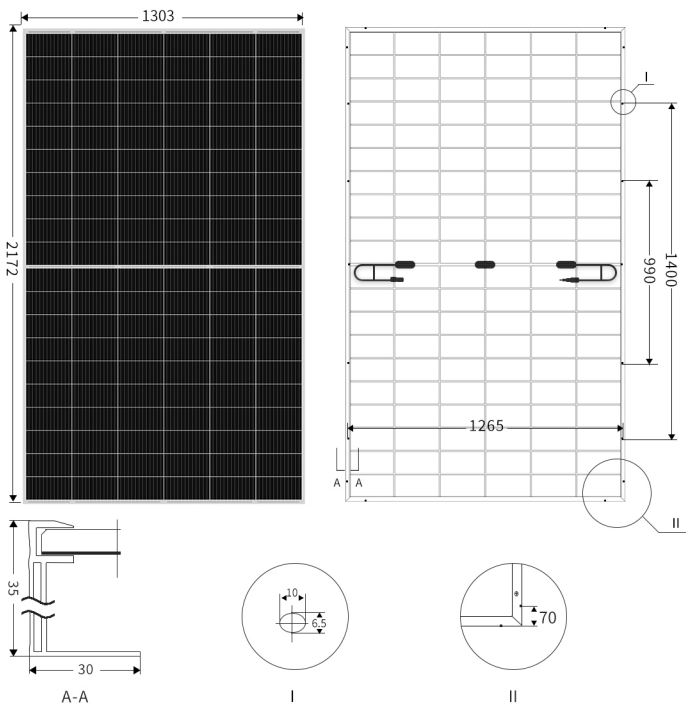
Module Type		PW-60M595HG12		PW-60M600HG12		PW-60M605HG12		PW-60M610HG12		PW-60M615HG12	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	595	451	600	454	605	458	610	462	615	466
Maximum Power Voltage	$V_{MPP}(V)$	34.2	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/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

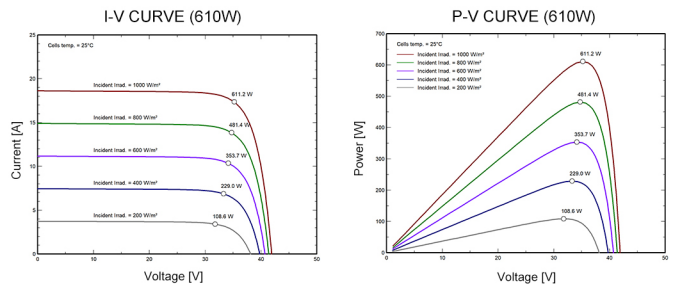
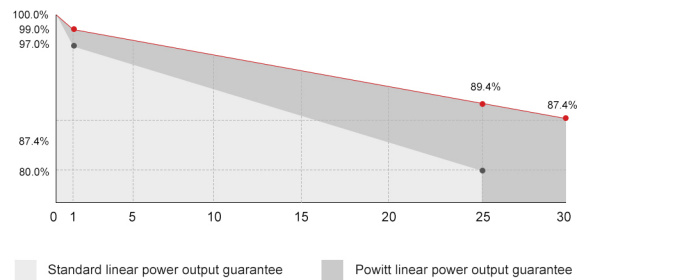
Module Type	PW-60M595HG12	PW-60M600HG12	PW-60M605HG12	PW-60M610HG12	PW-60M615HG12
Pmax (W)	654.5	660	665.5	671	676.5
Voc (V)	41.30	41.50	41.70	41.90	42.10
Isc (A)	20.21	20.27	20.32	20.37	20.42
Vmp (V)	34.20	34.40	34.60	34.80	35.00
Imp (A)	19.14	19.19	19.23	19.28	19.33

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty



MECHANICAL DATA

Cell Type	Mono PERC	TEMPERATURE RATINGS	Nominal Operating Cell Temperature(NOCT)	43±2°C
No. of Cells	120 (6 x 20)	Temperature Coefficient of P_{MAX}		-0.35%/°C
Module Dimensions	2172 x 1303 x 35mm	Temperature Coefficient of V_{OC}		-0.28%/°C
Weight	30.9kg	Temperature Coefficient of I_{SC}		+0.048%/°C
Glass	Anti-Reflective, AR Coated and Heat Tempered Solar Glass-3.2mm	MAXIMUM RATINGS	Operational Temperature	-40 to +85°C
Backsheet	Transparent	Maximum System Voltage		1500V DC
Frame	Anodized Aluminium Alloy	Max Series Fuse Rating		30A
Junction Box	IP 68 Rated	Mechanical Load		5400pa
Cables	4.0mm ² , 350mm or Customized Length	Wind Load		2400pa
Connector	MC4 Compatible			

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

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Version No. PWS202311V03



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