

G12 HALF CELL MONO **385W-405W**

80 CELL

G12 MBB MONO PERC

21%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



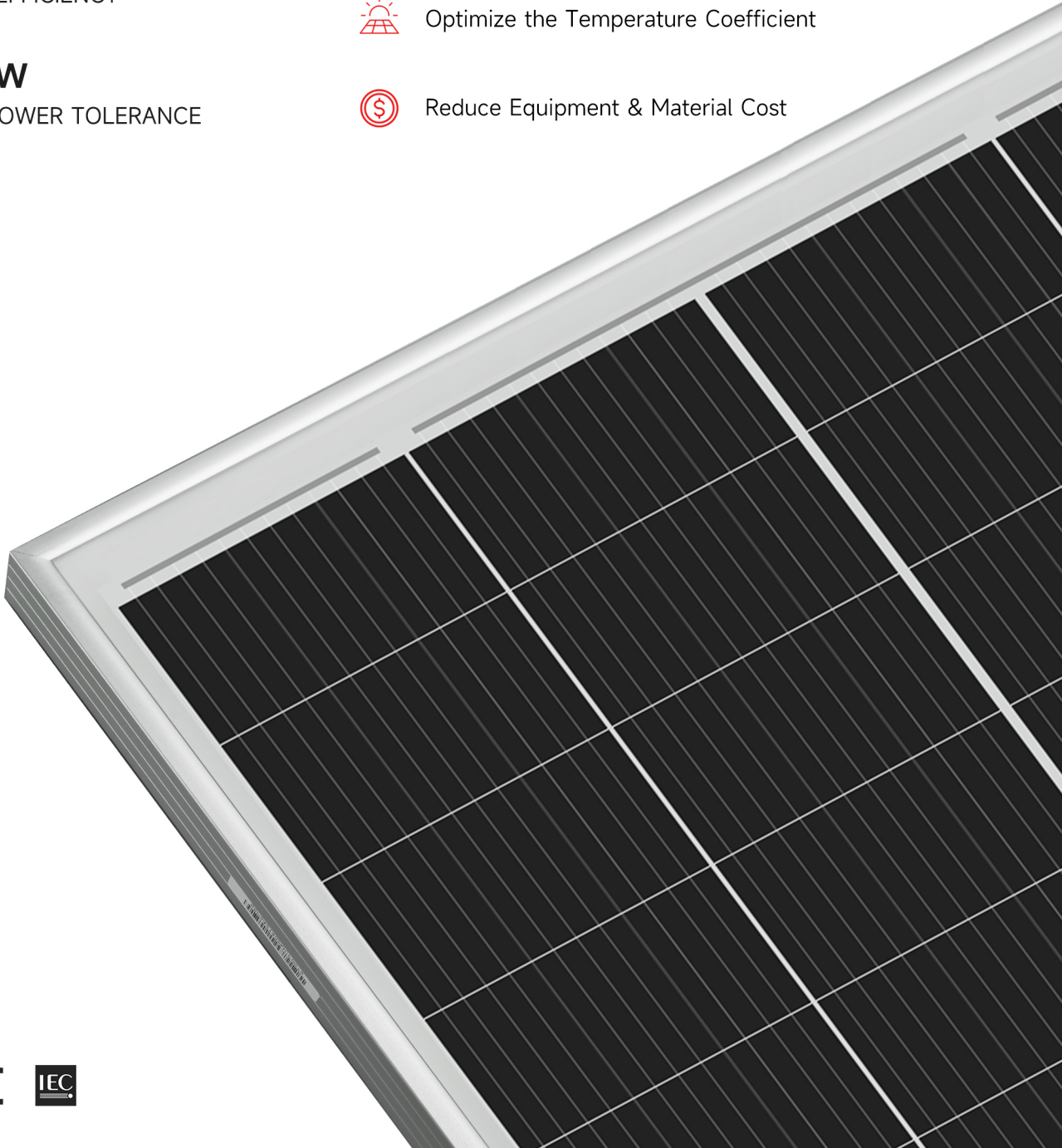
For Environment For Future



Optimize the Temperature Coefficient



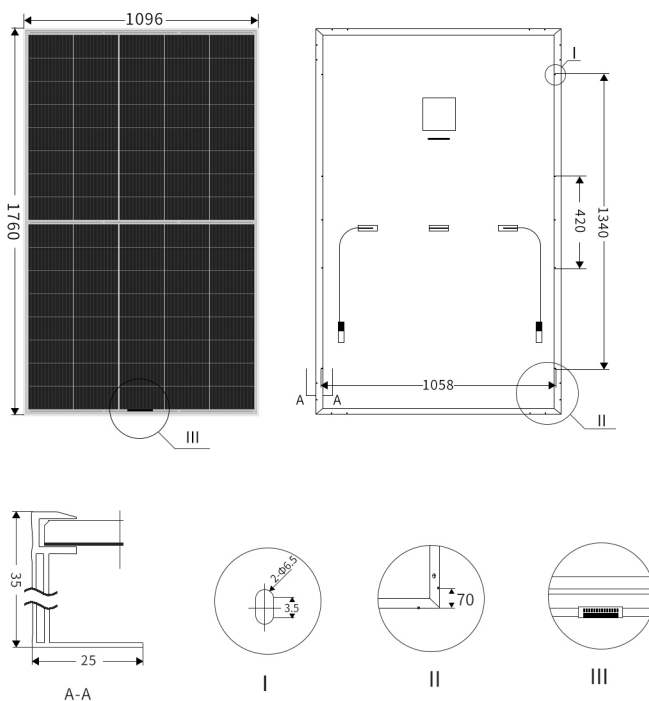
Reduce Equipment & Material Cost



Module Type		PW-40M385HG12		PW-40M390HG12		PW-40M395HG12		PW-40M400HG12		PW-40M405HG12	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	385	291.45	390	295.24	395	299.02	400	302.81	405	306.6
Maximum Power Voltage	$V_{MPP}(V)$	23.79	22.14	24.00	22.34	24.21	22.53	24.42	22.73	24.63	22.92
Maximum Power Current	$I_{MPP}(A)$	16.19	13.16	16.26	13.22	16.32	13.27	16.39	13.33	16.45	13.37
Open Circuit Voltage	$V_{OC}(V)$	28.67	27.02	28.92	27.26	29.18	27.50	29.43	27.74	29.68	27.98
Short Circuit Current	$I_{SC}(A)$	17.19	13.85	17.26	13.91	17.33	13.96	17.40	14.02	17.47	14.07
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	20		20.2		20.5		20.7		21	

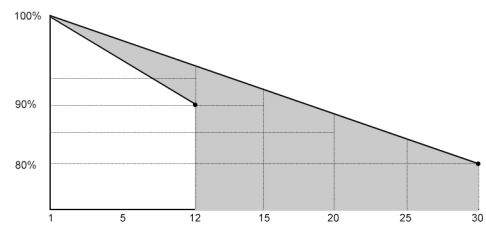
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty 30 Year Linear Power Warranty



TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	43±2°C
Temperature Coefficient of P_{MAX}	-0.362%/°C
Temperature Coefficient of V_{OC}	-0.262%/°C
Temperature Coefficient of I_{SC}	+0.042%/°C

MAXIMUM RATING

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

MECHANICAL DATA

Solar Cells	MBB 210x105mm(Mono-Crystalline Silicon)	
Cell Orientation	80 Cells (5 x 16)	
Module Dimensions	1760 x 1096 x 35mm	
Weight	21.5kg	
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass -3.2mm	
Backsheet	White	
Frame	Silver Anodized Aluminium Alloy(Black Available)	
J-Box	IP 68 Rated	
Cables	Photovoltaic Technology Cable 4.0mm ² , 350mm	
Connector	EVO2 or EVO2 Compatible	
PACKING CONFIGURATION	Modules per Box: 31 Pieces	Modules per 40' Container: 806 Pieces

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