

G12 HALF CELL MONO

595W-605W

120 CELL

G12 MBB MONO PERC

595W-605W

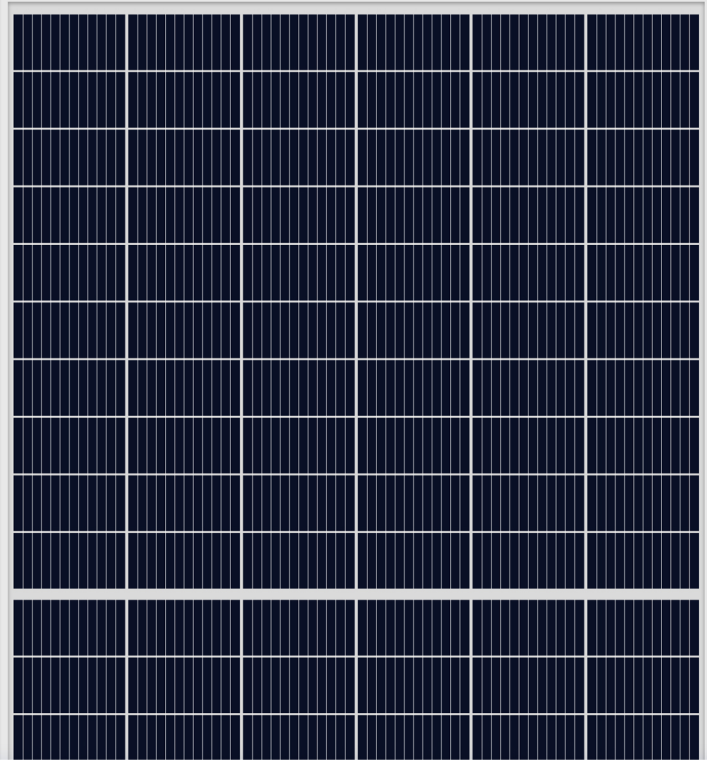
POWER OUTPUT RANGE

21.2%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power

Effectively reduce the unit cost of PV solar system by watt



Optimize the temperature coefficient

Improve the performance under the condition of shadow and low temperature coefficient



Reduce the shadow loss on the power output

Effectively reduce the risk of heat spot on high efficiency



Stronger the physical property

Optimize the property of power generating and reliability of the system

LINEAR PERFORMANCE WARRANTY



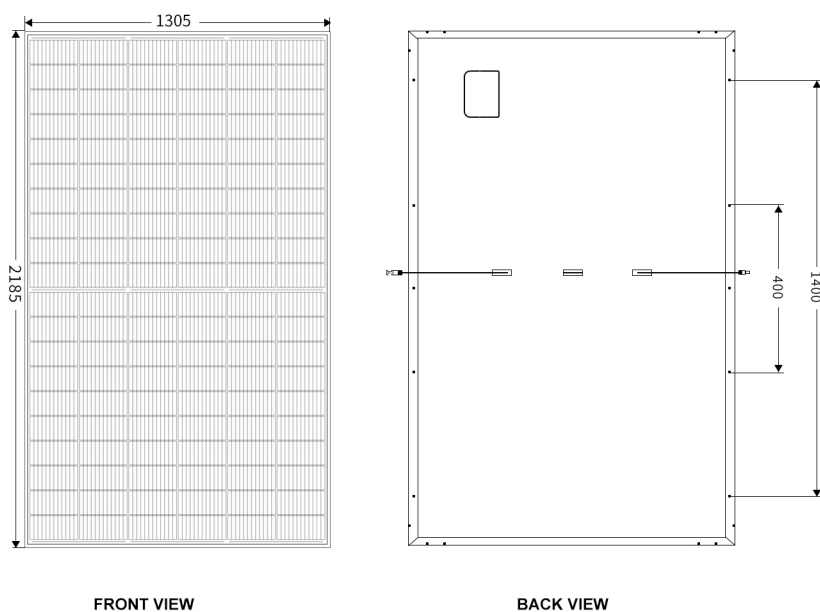
Module Type		PW-60M595HG12		PW-60M600HG12		PW-60M605HG12	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	595	451	600	454	605	458
Maximum Power Voltage	$V_{MPP}(V)$	34.2	31.90	34.4	32.00	34.6	32.20
Maximum Power Current	$I_{MPP}(A)$	17.40	14.13	17.44	14.18	17.49	14.22
Open Circuit Voltage	$V_{oc}(V)$	41.30	38.90	41.50	39.10	41.70	39.30
Short Circuit Current	$I_{sc}(A)$	18.47	14.88	18.52	14.92	18.57	14.96
Tolerance	(W)	0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	20.9		21		21.2	

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

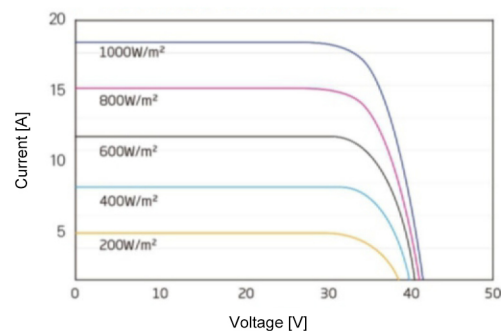
Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

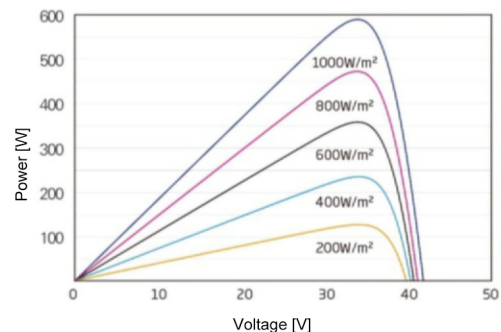
DIMENSIONS OF PV MODULE



I-V CURVES OF PV MODULE(605W)



P-V CURVES OF PV MODULE(605W)



MECHANICAL DATA		TEMPERATURE RATINGS	
Solar Cells	MBB-210x105mm(Mono-Crystalline Silicon)	Nominal Operating Cell Temperature(NOCT)	43±2°C
Cell Orientation	120 cells (6x20)	Temperature Coefficient of P_{MAX}	-0.34%/°C
Module Dimensions	2185 x 1305 x 35mm	Temperature Coefficient of V_{oc}	-0.25%/°C
Weight	30.9kg	Temperature Coefficient of I_{sc}	+0.04%/°C
Glass	3.2mm (0.13inches), High Transmission, AR Coated Heat Strengthened Glass	MAXIMUM RATING	
Backsheet	White	Operational Temperature	-40 to +85°C
Frame	35mm Anodized Aluminium Alloy	Maximum System Voltage	1500V DC
J-Box	IP 68 rated	Max Series Fuse Rating	30A
Cables	Photovoltaic Technology cable 4.0mm ²	Mechanical Load	5400pa
Connector	MC4EV02/TS4*	Wind Load	2400pa
PACKING CONFIGURATION	Modules per box: 31 pieces	Modules per 40' container: 558 pieces	

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