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Higher Output of Power
Effectively reduce the unit cost of PV solar system by watt
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Optimize the temperature coefficient
Improve the performance under the condition of shadow and low temperature coefficient
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Reduce the shadow loss on the power output
Effectively reduce the risk of heat spot on high efficiency
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Stronger the physical property
Optimize the property of power generating and reliability of the system

LINEAR PERFORMANCE WARRANTY



Module Type		HTS-120M12H595		HTS-120M12H600		HTS-120M12H605	
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	(%)	20.7		20.9		21.1	

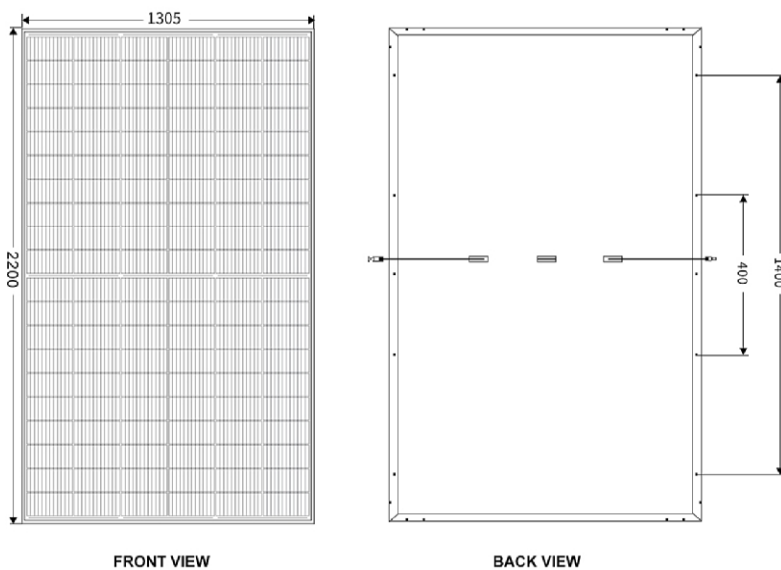
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

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

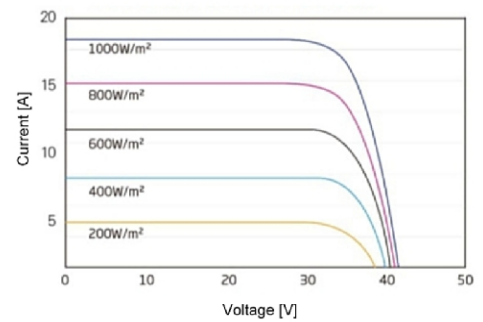
NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA		TEMPERATURE RATINGS	
Solar Cells	MBB MONO PERC 210x105mm	Nominal Operating Cell Temperature(NOCT)	43±2°C
Cell Orientation	120 cells (6x20)	Temperature Coefficient of P_{MAX}	-0.34%/°C
Module Dimensions	2200 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	

DIMENSIONS OF PV MODULE



I-V CURVES OF PV MODULE(605W)



P-V CURVES OF PV MODULE(605W)

