



12BB



100% TEST

Double EL tests ensures high quality standard



Reduced hot spot risk with optimized electrical design and lower operating current



Monocrystalline PERC
Half cut cells



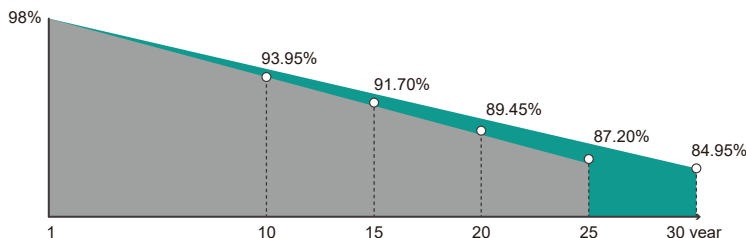
Positive Power tolerance
0~+5W extra output power



Anti-PID
Low LID Performance

585~610W

210mm 120Cells PV Solar Module



Quality Guarantee

12-Year
material & technology warranty
30-Year
linear power output warranty

- SUNWE solar linear power output guarantee
- Standard linear power output guarantee

Electrical Characteristics (STC/NOCT)

Module Type	SW585M12		SW590M12		SW595M12		SW600M12		SW605M12		SW610M12	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	585W	443W	590W	447W	595W	451W	600W	455W	605W	459W	610W	463W
Open Circuit Voltage - Voc(V)	40.89V	38.49V	41.09V	38.69V	41.29V	38.89V	41.49V	39.09V	41.69V	39.29V	41.89V	39.49V
Short- Circuit Current - Isc(A)	18.38A	14.82A	18.43A	14.86A	18.48A	14.89A	18.53A	14.95A	18.58A	15.00A	18.64A	15.06A
Voltage at Pmax -Vmp(V)	33.79V	31.39V	33.99V	31.59V	34.19V	31.79V	34.39V	31.99V	34.59V	32.19V	34.79V	32.39V
Current at Pmax - Imp(A)	17.32A	14.12A	17.36A	14.16A	17.41A	14.19A	17.45A	14.23A	17.5A	14.26A	17.54A	14.30A
Module Efficiency -ηm(%)	20.67%		20.85%		21.02%		21.20%		21.38%		21.55%	
Power Tolerance(W)	(0, +5W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	30A											

STC : Irradiance 1000W/m², Cell Temperature 25 C, Air Mass 1.5

NOCT : Irradiance 800W/m², Ambient Temperature 20 C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

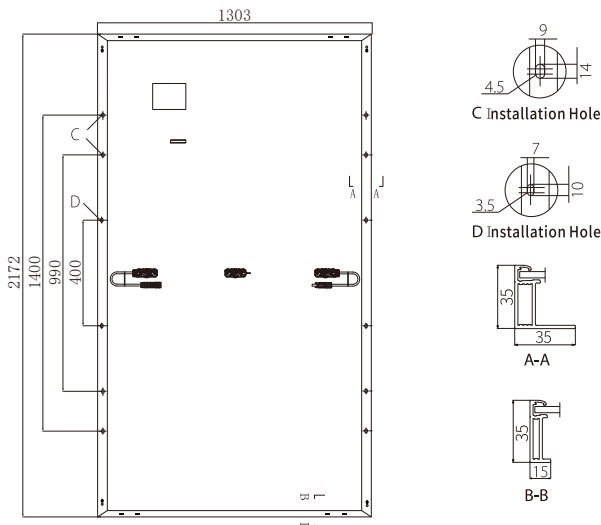
External Dimensions	2172×1303×35mm
Weight	31.0kg
Solar Cells	Mono crystalline 210mm (2x60pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 with 3 bypass diodes
Output Cables	4.0mm ² , 30cm (+), 40cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	5	17
Pieces per Container	155	527

Temperature Characteristics

Pmax Temperature Coefficient	-0.340%/C
Voc Temperature Coefficient	-0.240%/C
Isc Temperature Coefficient	+0.040%/C
Operating Temperature	-40 ~ +85 C
Nominal Operating Cell Temperature(NOCT)	43±2 C



Current-Voltage & Power-Voltage Curves (SW600M12)

