

SL120-158MN  
325-340W

MONOCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2015 certified factory  
IEC61215, IEC61730 certified products

(9BB) PERC



## KEY FEATURES



### 9 Busbar Solar Cell:

More uniform current collection capacity, reduce the current and heat loss of the cell inside the module, beautiful appearance, more suitable for roof installation.



### High Efficiency:

Higher module conversion efficiency (up to 20.16%) benefit from Passivated Emmitter Rear Contact (PERC) technology.



### PID RESISTANT:

Mass-produced modules pass PID test (85 C /85% RH, 96H), limited power degradation by PID test is guaranteed for mass production.



### Low-light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



### Severe Weather Resilience:

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

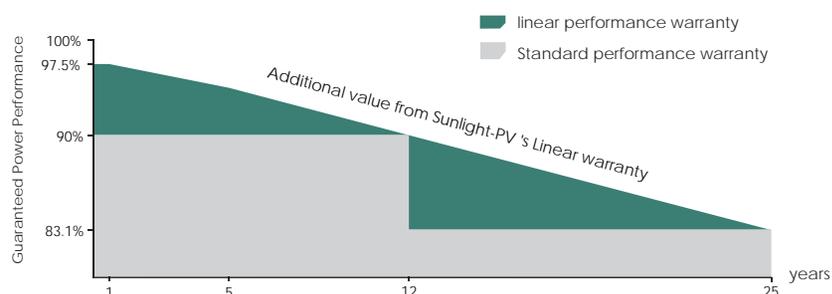


### Durability against extreme environmental conditions:

High salt mist and ammonia resistance certified by TUV SUD.

## LINEAR PERFORMANCE WARRANTY

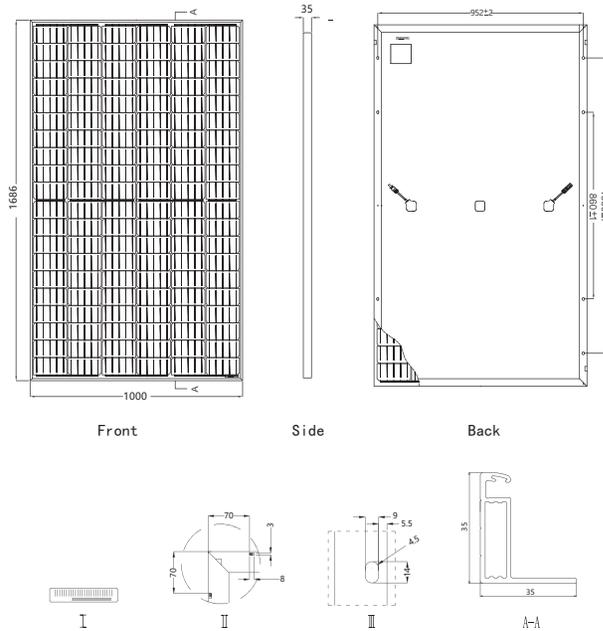
12 Year Product Warranty    25 Year Linear Power Warranty



## Product Certification



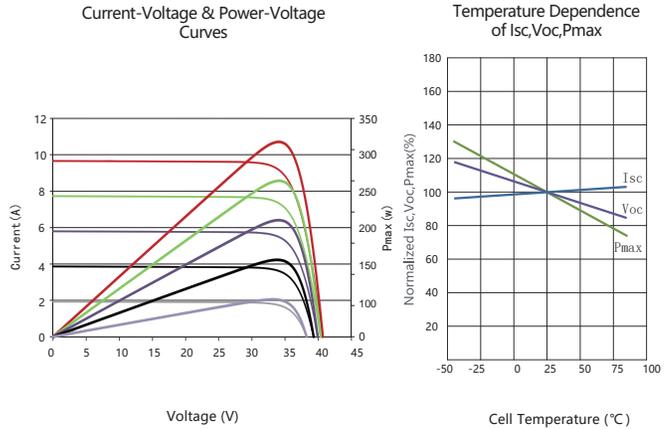
## Engineering Drawings



## Packaging Configuration

Vehicle type	40HQ
Quantity of each support	30
Number of supports per vehicle	26
Number of modules per vehicle	780

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Mono-crystalline PERC	158.75×158.75mm
No. of cells	120 (12×10)	
Dimensions	1686×1000×35mm (66.37×39.37×1.37 inch)	
Weight	18.7 kg (41.22 lbs)	
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass	
Frame	Anodized Aluminium Alloy	
Junction Box	IP67/IP68 Rated	
Output Cables	TÜV 4.0mm <sup>2</sup> Wire, MC4 Connector	

## SPECIFICATIONS

Module Type	SL120-158MN-325W		SL120-158MN-330W		SL120-158MN-335W		SL120-158MN-340W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	325Wp	241Wp	330Wp	244Wp	335Wp	248Wp	340Wp	252Wp
Maximum Power V (Vmp)	33.87V	33.54V	34.13V	33.82V	34.36V	34.10V	34.63V	34.38V
Maximum Power Current (Imp)	9.60A	7.17A	9.67A	7.22A	9.75A	7.27A	9.82A	7.32A
Open-circuit Voltage (Voc)	40.56V	37.38V	40.87V	37.65V	41.12V	37.93V	41.36V	38.18V
Short-circuit Current (Isc)	10.23A	8.20A	10.30A	8.25A	10.38A	8.30A	10.46A	8.36A
Module Efficiency STC (%)	19.27%		19.57%		19.86%		20.16%	
Operating Temperature (°C)	-40°C~+85°C							
Maximum system voltage	1000V DC							
Maximum series fuse rating	20A							
Power tolerance	0~+3%							
Temperature coefficients of Pmax	-0.37%/°C							
Temperature coefficients of Voc	-0.29%/°C							
Temperature coefficients of Isc	0.048%/°C							
Nominal operating cell temperature (NOCT)	45±2°C							

STC: Irradiance 1000W/m Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s