

SL120-158MF
325-340W

MONOCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2015 certified factory
IEC61215, IEC61730 certified products

(5BB) PERC



KEY FEATURES



5 Busbar Solar Cell:

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



High Efficiency:

Higher module conversion efficiency (up to 19.37%) 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).

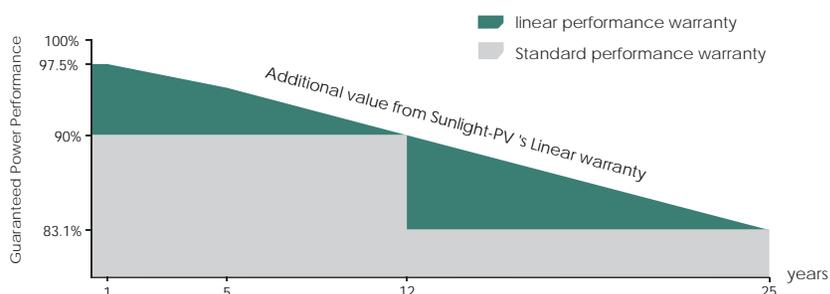


Durability against extreme environmental conditions:

High salt mist and ammonia resistance certified by TUV SUD.

LINEAR PERFORMANCE WARRANTY

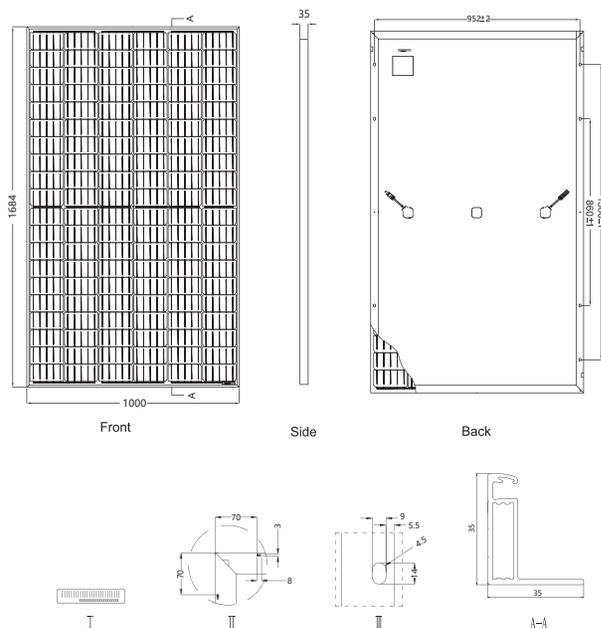
12 Year Product Warranty 25 Year Linear Power Warranty



Product Certification



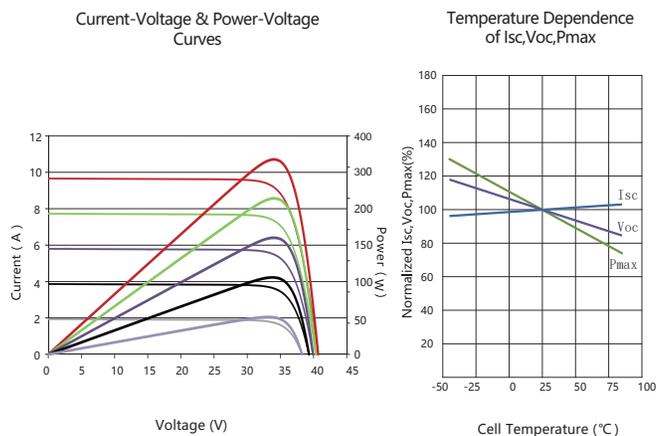
Engineering Drawings



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 (10×12)	
Dimensions	1684×1000×35mm (66.29×39.37×1.37 inch)	
Weight	18.7kg (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 ² Wire, MC4 Connector	

SPECIFICATIONS

Module Type	SL120-158MF-325W		SL120-158MF-330W		SL120-158MF-335W		SL120-158MF-340W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	325Wp	241Wp	330Wp	244Wp	335Wp	248Wp	340Wp	252Wp
Maximum Power Voltage (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	1500V							
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/m² Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s