

SL72-158MF
345-365 W

MONOCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2015 certified factory
IEC61215, IEC61730 certified products

(5BB) PERC



KEY FEATURES



5 Busbar Solar Cell:

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Efficiency:

Higher module conversion efficiency (up to 18.82%) 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).



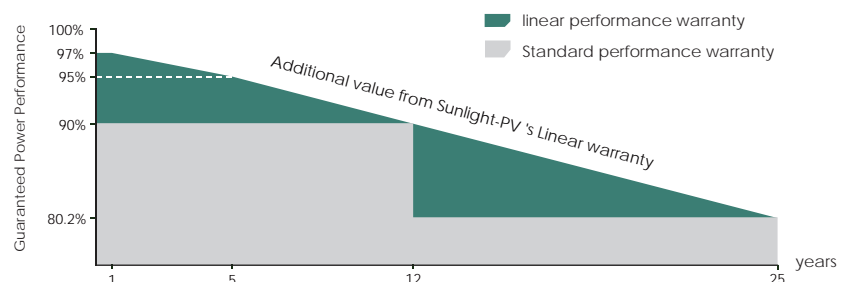
Durability against extreme environmental conditions:

High salt mist and ammonia resistance certified by TUV SUD.



LINEAR PERFORMANCE WARRANTY

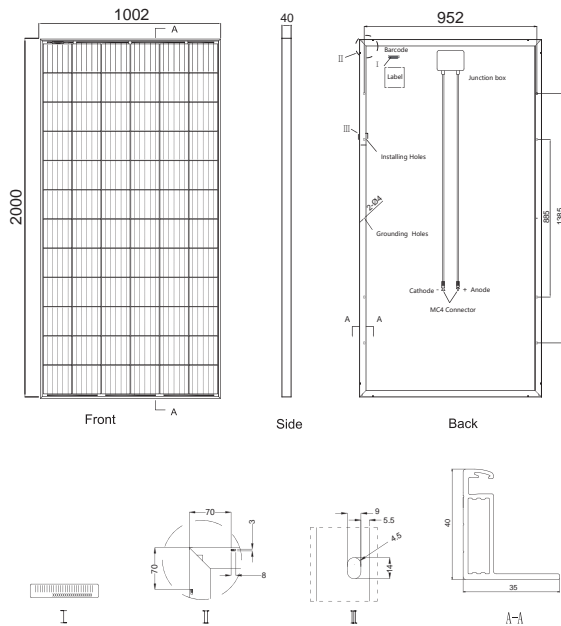
12 Year Product Warranty 25 Year Linear Power Warranty



Product Certification



Engineering Drawings



Packaging Configuration

Vehicle type	40HQ
Quantity of each support	26
Number of supports per vehicle	22
Number of modules per vehicle	572

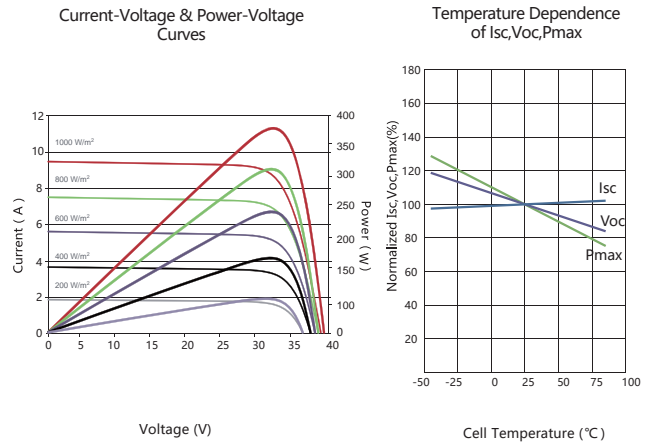
SPECIFICATIONS

Module Type	SL72-158MF-345W		SL72-158MF-350W		SL72-158MF-355W		SL72-158MF-360W		SL72-158MF-365W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	345Wp	258Wp	350Wp	262Wp	355Wp	266Wp	360Wp	270Wp	365Wp	274Wp
Maximum Power Voltage (Vmp)	38.9V	37.0V	39.1V	37.2V	39.3V	37.5V	39.5V	37.7V	39.7V	37.9V
Maximum Power Current (Imp)	8.87A	6.98A	8.94A	7.05A	9.04A	7.09A	9.12A	7.17A	9.20A	7.24A
Open-circuit Voltage (Voc)	47.3V	45.8V	47.5V	46.0V	47.8V	46.2V	48.0V	46.5V	48.2V	46.8V
Short-circuit Current (Isc)	9.31A	7.38A	9.38A	7.46A	9.45A	7.54A	9.51A	7.61A	9.57A	7.68A
Module Efficiency STC (%)	17.78%		18.01%		18.30%		18.57%		18.82%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum system voltage	1500VDC									
Maximum series fuse rating	20A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.39%/°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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline PERC 158.75×158.75mm
No. of cells	72 (12×6)
Dimensions	2000×1002×40mm (78.74×39.44×1.57 inch)
Weight	26.5kg (58.42lbs)
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67/IP68 Rated
Output Cables	TÜV 4.0mm² Wire, MC4 Contact