

MCS Certification



ASSURED ENERGY
Product Liability Insurance QBE



PERC TECHNOLOGY*
Passivated Emitter and Rear Cell



30 YEAR LINEAR POWER WARRANTY
ANNI GARANZIA LINEARE PRODUZIONE

20 YEAR PRODUCT WARRANTY
ANNI GARANZIA PRODOTTO

SUPER POWER LINE

SP340M (BF)

"MADE IN ITALY" MODULE

The new SUPER POWER LINE adds to the strengths of the Peimar monocrystalline modules the benefits derived from the use of the brand new M4 cells, which allow, with a single module, to reach high power levels with reduced size increases. This is the ideal solution to reduce installation costs for systems of all sizes, from residential to industrial.

*Thanks to the use of **PERC** cells, Peimar modules are able to reach even higher efficiencies, as they facilitate the light imprisonment in close proximity to the rear surface and optimise the electron capture.



ANTI-REFLECTIVE GLASS



HAILSTORM RESISTANCE

CELLS

60
MONO



QTY:
60 CELLS
TYPE:
MONO M4 5BB
PERC TECHNOLOGY ⚡
DIMENSION:
161.7x161.7 mm / 6.3x6.3"

FRAME



BACKSHEET



JUNCTION BOX



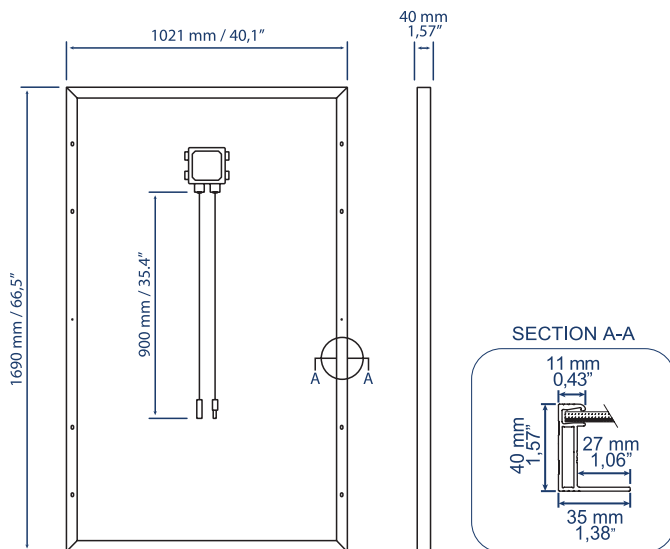
ELECTRICAL CHARACTERISTICS (STC)*

	SP340M (BF)
Nominal Output (Pmax)	340 W
Flash Test Power Tolerance	0/+5 W
Voltage at Pmax (Vmp)	33.08 V
Current at Pmax (Imp)	10.28 A
Open Circuit Voltage (Voc)	40.91 V
Short Circuit Current (Isc)	10.64 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	15 A
Module Efficiency	19.70%

MECHANICAL CHARACTERISTICS

Solar Cells	60 (6x10) monocrystalline M4 PERC
Solar Cells Size	161.7x161.7 mm / 6.3x6.3"
Front Cover	3.2 mm / 0.12" thick, low iron tempered glass
Back Cover	TPT (Tedlar-PET-Tedlar)
Encapsulant	EVA (Ethylene vinyl acetate)
Frame	Anodized aluminium alloy, double wall
Frame finishing	Black
Backsheet finishing	White
Diodes	3 Bypass diodes serviceable
Junction Box	IP67 rated
Connector	MC4 or compatible connector
Cables Length	900 mm / 35.4"
Cables Section	4.0 mm ² / 0,006 in ²
Dimensions	1690x1021x40 mm / 66.5x40.1x1.57"
Weight	19 Kg / 41.8 lbs
Max. Load	Certified to 5400 Pa

DIMENSIONS



TEMPERATURE CHARACTERISTICS

NOCT**	45±2 °C
Temperature Coefficient of Pmax	-0.40 %/°C
Temperature Coefficient of Voc	-0.32 %/°C
Temperature Coefficient of Isc	0.047 %/°C
Operating Temperature	-40 °C ~ +85°C

PACKAGING***

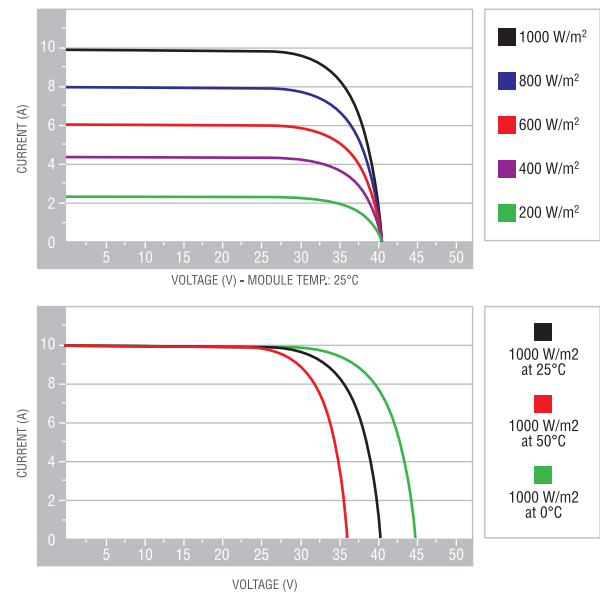
Pallet dimensions	1730x1230x1230 mm / 68.1x48.4x48.4"
Pieces per pallet	27
Weight	516 Kg / 1138 lbs

CERTIFICATIONS

MCS	KIWA0003
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CURRENT/VOLTAGE CHARACTERISTICS

Values apply to modules: SP340M (BF)



*STC: (Standard Test Condition) Irradiance 1000W/m²; Module Temperature 25°C; Air Mass 1.5

**NOCT: (Nominal Operation Cell Temperature) Sun 800W/m²; Air 20°C; Wind speed 1m/s

***Pallets can be stacked up to two

It is important to point out, that all technical specifications, information and figures contained in this datasheet are estimated values. Peimar reserves the right to change the technical specifications, information and figures contained in this document at any time without notice.

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PEIMAR
ITALIAN PHOTOVOLTAIC MODULES

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