

# MONO60 SOLAR LINE

SCM-290 (FB)

30 YEARS  
LINEAR POWER WARRANTY

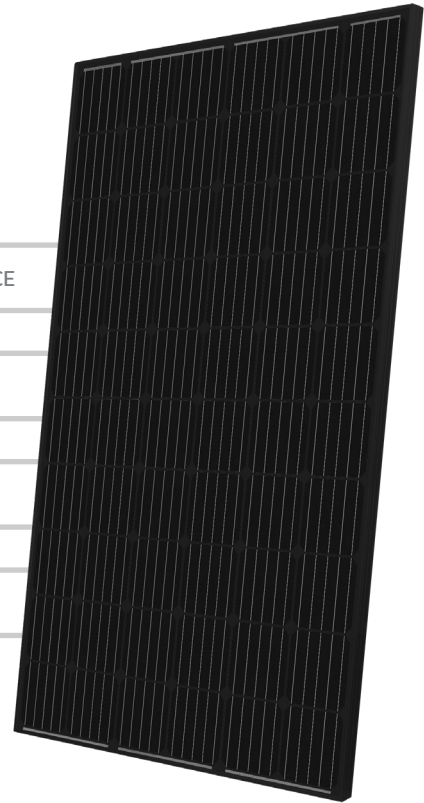
15 YEARS  
PRODUCT WARRANTY

POSITIVE POWER OUTPUT TOLERANCE

HAILSTORM RESISTANCE

ULTRA-LIGHT ALUMINUM FRAME

ANTI-REFLECTIVE GLASS



## MONOCRYSTALLINE SOLAR MODULE

You don't have enough room for your system, yet you don't want to compromise energy efficiency? SOLAR CALL is the right fit for you!

- High efficiency: with the dimensions of a 60cell solar module, these panels can reach an extremely high power output thanks to the use of high-efficiency cells.
- Captivating design: SOLAR CALL's monocrystalline solar panel has been designed to be exceptionally elegant and sober, perfect for each kind of roof. The black frame adds to its refined aesthetics.
- Maximum stability and strength: we employ top-quality materials for our products, thus ensuring their long-lasting reliability and their stability in any environmental conditions.

60 CELLS

60

MONO  
CRYSTALLINE

M

5 BUS BAR

5

156 x 156mm  
6 x 6"



BLACK  
FRAME



BLACK  
BACKSHEET



### PERC TECHNOLOGY

*Passivated Emitter and Rear Cell*

SOLAR CALL believes in technological innovation aimed at the continuous improvement of its products. Therefore we deploy PERC technology cells for our monocrystalline modules, which allow to achieve higher efficiency.

## ELECTRICAL CHARACTERISTICS (STC)\*

Nominal Output (Pmax)	290 W
Flash Test Power Tolerance	0/+5
Voltage at Pmax (Vmp)	31.6 V
Current at Pmax (Imp)	9.18 A
Open Circuit Voltage (Voc)	39.5 V
Short Circuit Current (Isc)	9.55 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	15 A
Module Efficiency	17.83 %

\*STC (Standard Test Condition): Irradiance 1000 W/m<sup>2</sup>; Module Temp. 25 °C; Air Mass 1.5

## SCM-290 (FB)

## MECHANICAL CHARACTERISTICS

Solar Cells	60 (6 x 10) monocrystalline	Diodes	3 Bypass diodes serviceable
Solar Cells Size	156 x 156 mm / 6x6"	Junction Box	IP67 rated
Front Cover	3.2 mm / 0.12" thick, low iron tempered glass	Connector	MC4 or compatible connector
Back Cover	TPT (Tedlar-PET-Tedlar)	Cables Length	900 mm / 35.4"
Encapsulant	EVA (Ethylene vinyl acetate)	Cables Section	4.0 mm <sup>2</sup> / 0.006 in <sup>2</sup>
Frame	Anodized aluminium alloy, double wall	Dimensions	1640 x 992 x 40 mm / 64.5 x 39 x 1.57"
Frame finishing	Black	Weight	18 kg / 39.7 lbs
Backsheet finishing	Black	Max. Load	Certified to 5400 Pa

## TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	-0.40 % / °C	Operating Temperature	-40 °C ~ +85 °C
Temperature Coefficient of Voc	-0.32 % / °C	NOCT**	45±2 °C
Temperature Coefficient of Isc	0.04 % / °C	**Nominal Operation Cell Temperature: Irrad. 800 W/m <sup>2</sup> ; Air 20 °C; Wind speed 1 m/s	

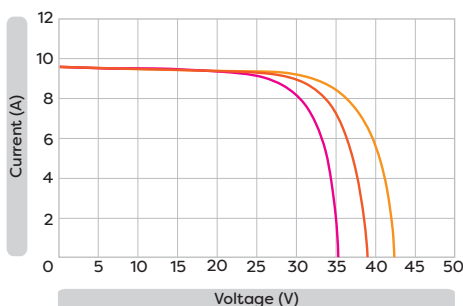
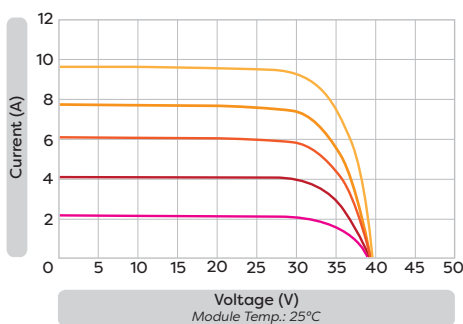
## PACKAGING

Pallet dimensions	1700 x 1200 x 1200 mm / 67 x 47 x 47"	Weight	516 kg / 1138 lbs
Pieces per pallet	27	Pallets Stacked	up to two

## CERTIFICATIONS

Fire resistance rating	1 (UNI 9177)
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## CURRENT/VOLTAGE CHARACTERISTICS



## DIMENSIONS

