/// PEIMAR

POSITIVE POWER OUTPUT TOLERANCE

30 YEAR LINEAR POWER WARRANTY
20 YEAR PRODUCT WARRANTY

HAILSTORM RESISTANCE

STRONG YET ULTRA-LIGHT ALUMINUM FRAME

ANTI-REFLECTIVE GLASS

MODULE FIRE PERFORMANCE: **1**

EXTRA EU

Mono 60 cells • FULL BLACK LINE
OS280M(FB)

PEIMAR monocrystalline solar panels, produced using a combination of innovative production processes and advanced engineering techniques, provide customers with maximum output and super high performance (over 20% efficiency). This allows fewer panels to be used to generate more energy, ideal if space is restricted or environmental conditions are challenging. We only work with certified suppliers and use the best materials to ensure our panels are extremely robust and resistant to atmospheric agents and accidental shocks. Modern design, using matching black cells and frames and a very long lifespan ensure this monochrystalline are a great option.

Cells
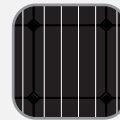
Type_	**MONO 3BB - 4BB**
Qty_	**60 pcs**
Dimensions_	**156x156 mm** **6x6 inch**

Frame

BLACK

Backsheet

BLACK

ECOEM — riciclo e gestione dei raee   CSI   ISO   OHSAS 18001   CE

ELECTRICAL Characteristics (STC)*

	OS280M(FB)
Nominal Output (Pmax)	280 W
Flash Test Power Tolerance	0/+5 W
Voltage at Pmax (Vmp)	31.2 V
Current at Pmax (Imp)	9.07 A
Open Circuit Voltage (Voc)	39.5 V
Short Circuit Current (Isc)	9.71 A
Maximum System Voltage	1000 V
Maximum Series Fuse Rating	15 A
Cell Efficiency	20.21 %
Module Efficiency	17.21 %

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

MECHANICAL Characteristics

Solar Cells	60 (6x10) monocrystalline
Solar Cells Size	156x156 mm / 6x6"
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	Black
Diodes	3 Bypass diodes serviceable
Junction Box	IP65 rated
Connector	MC4 or compatible connector
Cables Length	900 mm / 35.4"
Cables Section	4.0 mm² / 0,006 in²
Dimensions	1640x992x40 mm / 64,5x39x1,57"
Weight	18 Kg / 39.7 lb
Max. Load	Certified to 5400 Pa

TEMPERATURE Characteristics

NOCT**	45±2 °C
Temperature Coefficient of Pmax	-0.45 %/°C
Temperature Coefficient of Voc	-0.32 %/°C
Temperature Coefficient of Isc	0.047 %/°C
Operating Temperature	-40 °C ~ +85°C

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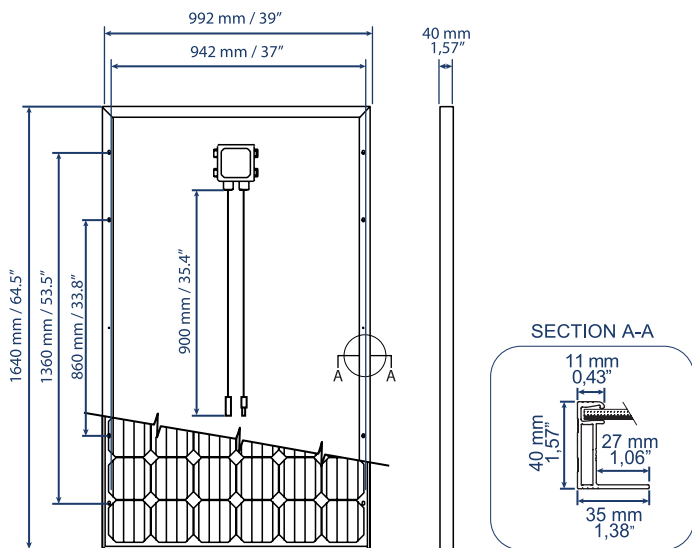
PACKAGING***

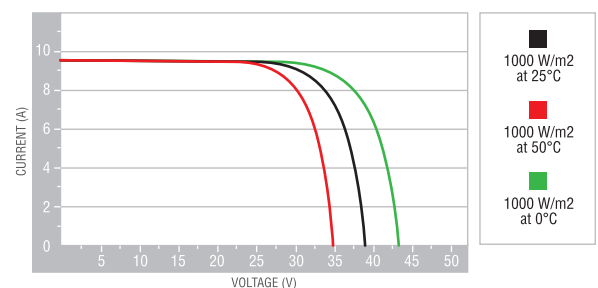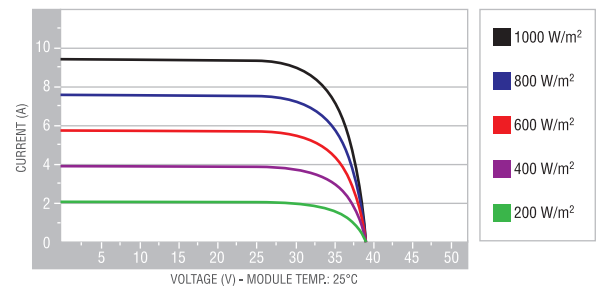|	
Pallet dimensions	1700x1100x1200 mm / 67x43x47"
Pieces per pallet	27
Weight	516 Kg / 1138 lb

*** Pallets can be stacked up to two

CERTIFICAZIONS

Fire Resistance Rating	1 (UNI 9177)

DIMENSIONS

CURRENT/VOLTAGE Characteristics

- *Values apply to panel OS280M(FB)*

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