

A-30M, A-35M

CHARACTERISTICS

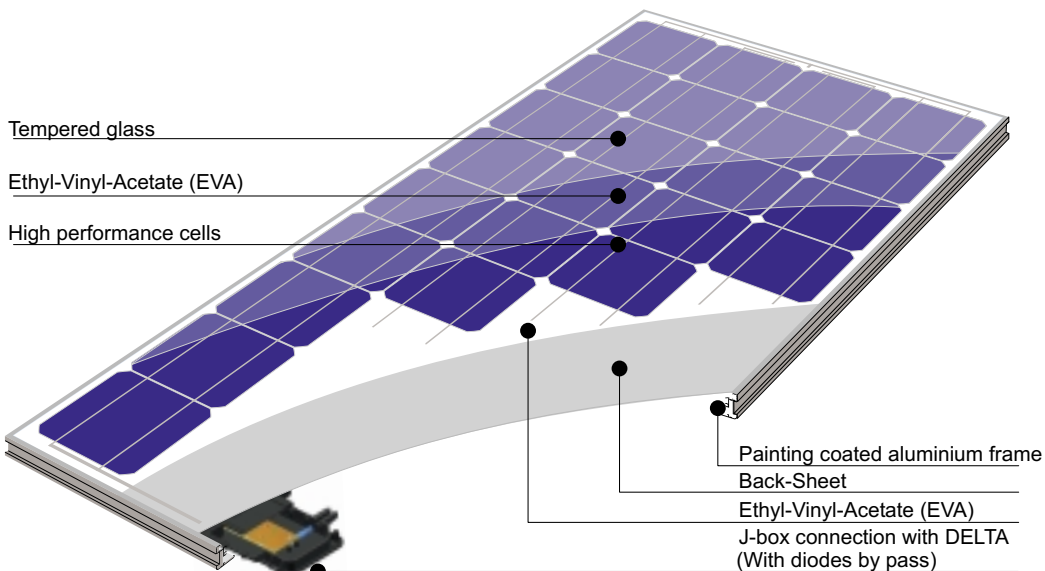
The electrical data reflect the typical values of the modules and laminates A-35M measured at the connector outlet at the end of the manufacturing process.

These measurements are made in accordance with ASTM E1036 and corrected to standard test conditions (STC): radiation 1KW/m², spectral distribution AM (air mass) 1,5 ASTM E892 and cell temperature of 25°C.

Crystalline cells can suffer photon degradation during the first months when exposed to light, which could decrease the maximum power value of the module by up to 3%.

In normal operating conditions, the cells can reach a higher temperature than standard laboratory readings. TONC is a quantitative measurement of this increase. The measure of TONC is made in the following conditions: radiation of 0,8KW/m², room temperature of 20°C and wind speed of 1 m/s.

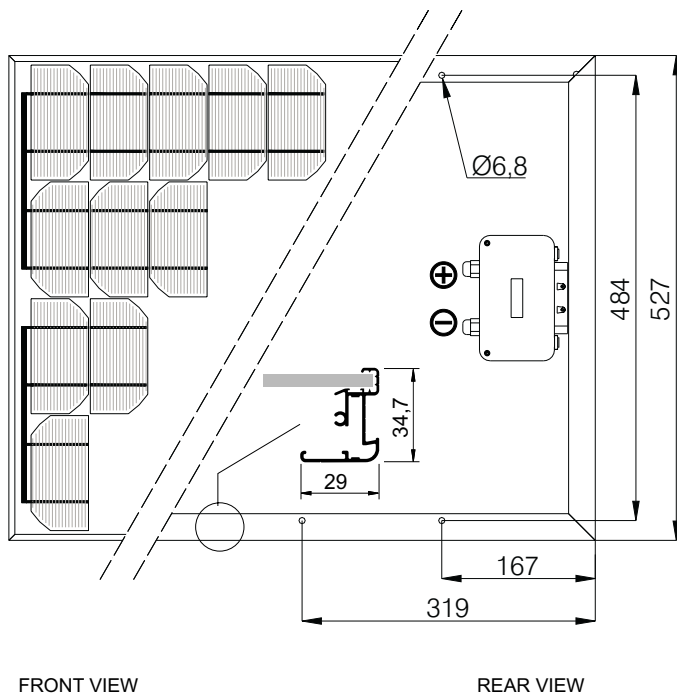
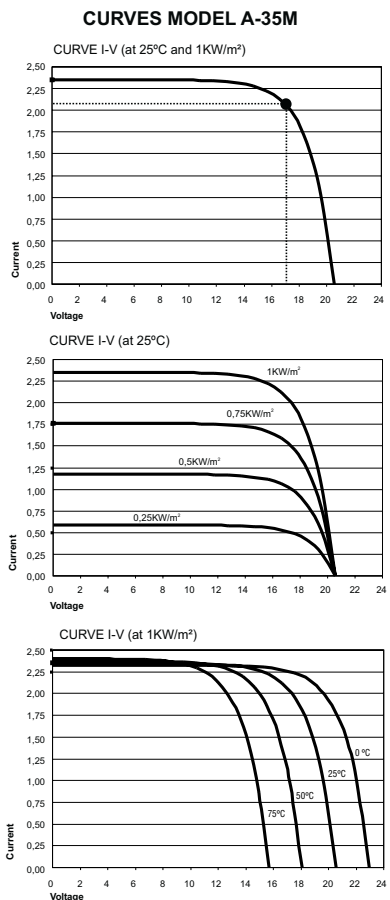
As the paint on the frame is an electrical insulator, it is necessary to erode the contact point with the earth wire to ensure the continuity to earth.



ELECTRICAL CHARACTERISTICS	A-30M	A-35M
Peak power (W at test +8 %)	30 W	35 W
Number of cells in serie	36	36
Max. Power current (Imp)	1.81 A	2.10 A
Max. Power voltage (Vmp)	16.56 V	16.80 V
Short circuit current (Isc)	2.06 A	2.35 A
Open circuit voltage (Voc)	20.40 V	20.55 V
Thermal coefficient of Isc (α)	1 mA/°C	1 mA/°C
Thermal coefficient of Voc (β)	-97.20 mV/°C	-97.20 mV/°C
Max. Voltage system	700 V	700 V

PHYSICAL CHARACTERISTICS	A-30M	A-35M
Dimensions (mm.)	637x527x35	637x527x35
Weight (approx.)	4.50 Kg.	4.50 Kg.

Electrical specifications measured at STC. TONC: 47±2°C
NOTE: Data contained in this documentation could be changed without previous advice.



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