

CHARACTERISTICS

The electrical data reflect the typical values of the modules and laminates A-65M and A-75M measured at the connector outlet at the end of the manufacturing process.

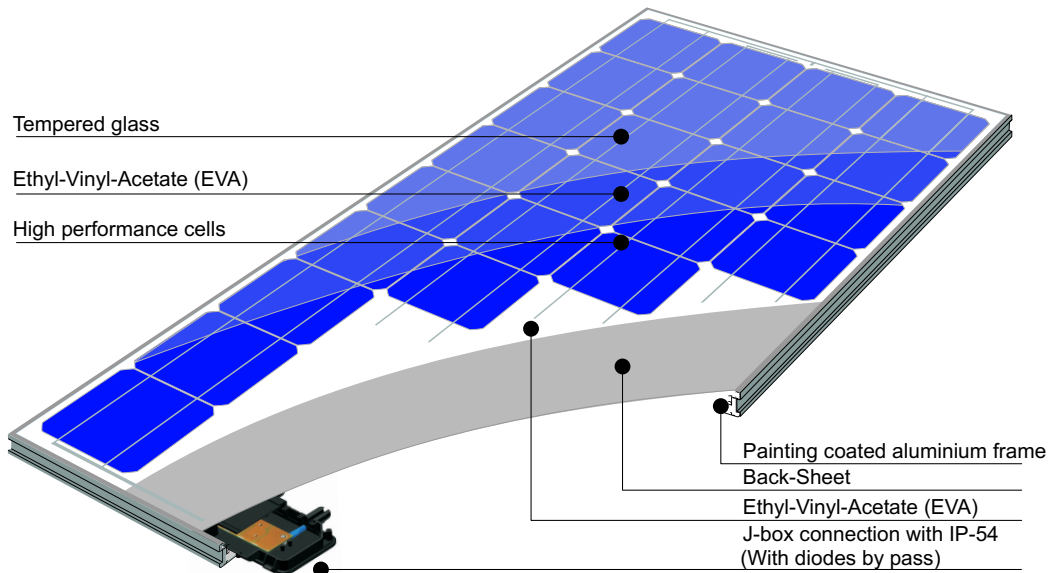
These measurements are made in accordance with ASTM E1036 and corrected to standard test conditions (STC): radiation 1KW/m², spectral distribution AM (air mass) 1,5 ASTM E892 and cell temperature of 25°C.

The power of the solar cells is variable at the end of the production process. The different power specifications of these modules reflect this dispersion.

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%.

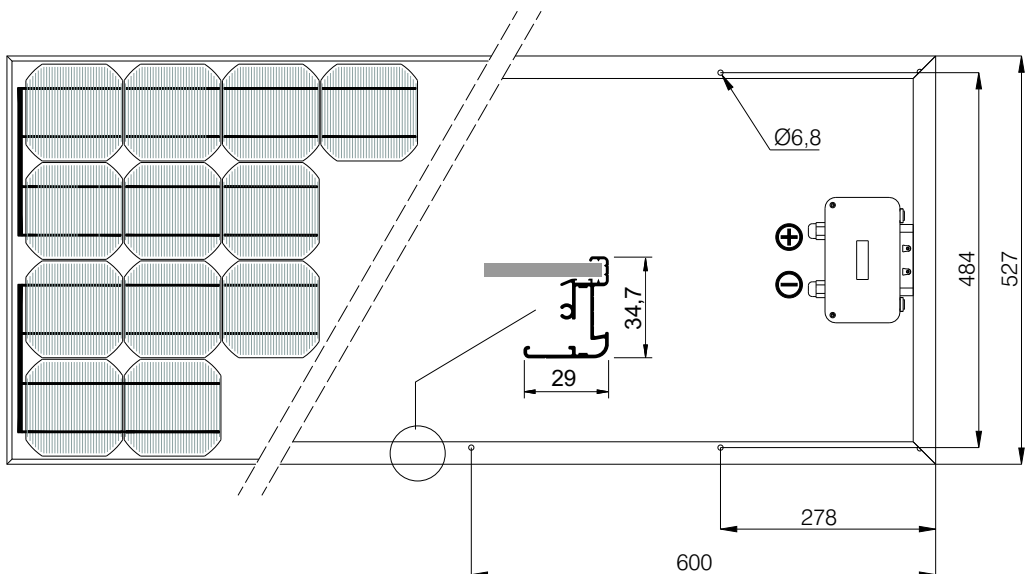
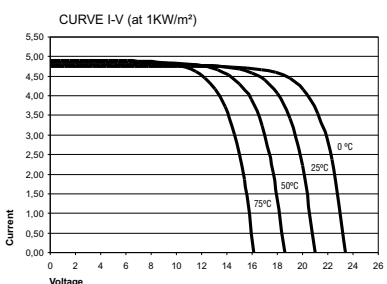
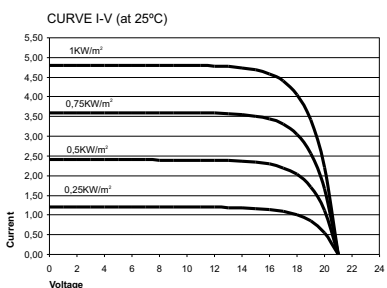
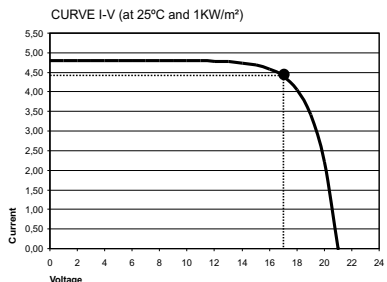
In normal operating conditions, the cells can reach a higher temperature than standard laboratory readings. TONC is a quantitative measurement of this increase. The measure of TONC is made in the following conditions: radiation of 0,8KW/m², room temperature of 20°C and wind speed of 1 m/s.

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-65M	A-75M
Peak power (W at test $\pm 8\%$)	65 W	75 W
Number of cells in serie	36	36
Max. Power current (I _{mp})	4,00 A	4,40 A
Max. Power voltage (V _{mp})	16,30 V	17,00 V
Short circuit current (I _{sc})	4,60 A	4,80 A
Open circuit voltage (V _{oc})	20,50 V	21,00 V
Thermal coefficient of I _{sc} (α)	2 mA/°C	2 mA/°C
Thermal coefficient of V _{oc} (β)	-97,20 mV/°C	-97,20 mV/°C
Max. Voltage system	700 V	700 V
PHYSICAL CHARACTERISTICS		
Dimensions (mm.)	1200x527x35	1200x527x35
Weight (approx.)	7,50 Kg.	7,50 Kg.
Electrical specifications measured at STC. TONC: 47±2°C		
NOTE: Data contained in this documentation could be changed without previous advice.		

CURVES MODEL A-75M



FRONT VIEW

REAR VIEW

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