



SUNSYSTEM®

Energy from the sun

SUNSYSTEM 130p - 140p

Photovoltaic modules

Made in EU

Crystalline modules with fully positive tolerance.

Yield guaranteed for 25 years.

Individual flash test record for each module.

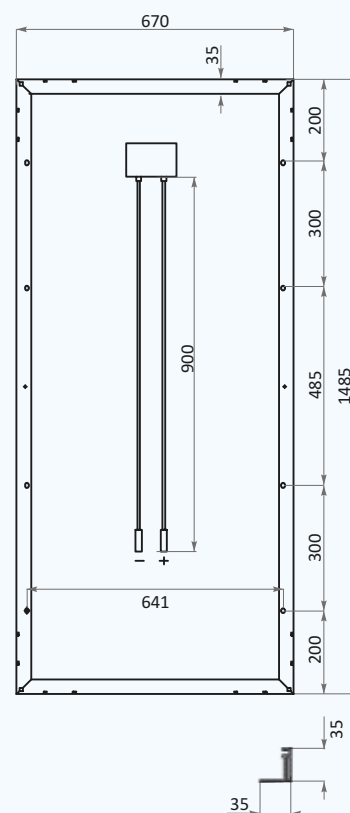
Electrical specifications:	130p	140p
Maximum power Pmax	130 Wp	140 Wp
Tolerance	+ 3% - 0%	+ 3% - 0%
Voltage at max power Vmp	17,8 V	18,0 V
Current at max power Imp	7,30 A	7,78 A
Open circuit voltage Voc	21,8 V	22,1 V
Short circuit current Isc	8,09 A	8,30 A
Cell efficiency	14,8 %	15,4 %
Module efficiency	13,3 %	14,1 %

* STC (Standard test conditions) : Irradiation 1000 W/m², ambient temperature 25°C, Spectre AM 1.5

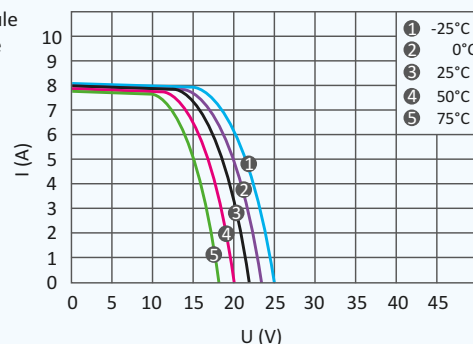
Physical specifications:	
Overall dimensions	1485x670x35 mm
Number of cells	36 (4 x 9)
Size of cells	156 x 156 mm
Weight	12 kg
Type of cell	polycrystalline
Frame	aluminum
Junction box	TÜV certified
Back closing	TPT
Front closing	Tempered glass 3,2 mm
Length of cable	900 mm
Connector type	MC 4

Temperature coefficients:	
NOCT	48°C ± 2°C
Temp. coeff. of Pmax	- 0,45 % / °C
Temp. coeff. of Vmp	- 0,35 % / °C
Temp. coeff. of Imp	+ 0,05 % / °C
Temp. coeff. of Voc	- (0,3 ± 0,05) % / °C
Temp. coeff. of Isc	+ 0,065 % / °C

Limitations:	
Max. system voltage	1000 V DC
Temperature range	-40°C - +85/ °C
Max. physical load	2400 Pa



I-V characteristic of module temperature dependence



Warranty and certificates:

Workmanship and material	10 years
80% of the minimum peak power	25 years
Certified in accordance with IEC 61215:2005 & EN 61730:2007	

