

Pmax Maximum power	210W _p	215W _p	220W _p	225W _p	230W _p	235W _p	240W _p
Efficiency	13,0%	13,3%	13,6%	13,9%	14,2%	14,5%	14,8%

Tolerance	+/- 3%						
At factory Pmax classification	+/- 3% *						

* Also available positive tolerance (+0 / +3 %).

ELECTRICAL CHARACTERISTICS

V_{pm} maximum power voltage	28,90V	28,92V	29,38V	29,54V	29,63V	29,71V	29,79V
I_{pm} running at maximum power	7,27A	7,40A	7,51A	7,64A	7,73A	7,91A	8,06A
V_{oc} open circuit voltage	36,33V	36,42V	36,76V	37,03V	37,10V	37,15V	37,36V
I_{sc} short circuit current	8,06A	8,12A	8,30A	8,40A	8,46A	8,68A	8,76A

NOCT standard operating temperature	46°C +/-2°C (114,8°F +/- 3,6°F)						
T_k P_{max} temperature coefficient of P _{max}	-0,45% / °C						
T_k I_{sc} temperature coefficient of I _{sc}	+0,06% / °C						
T_k v_{oc} temperature coefficient of V _{oc}	-0,33% / °C						
Maximum operational voltage	1.000 V for IEC, 600 V for UL						
Junction box diodes	3						
Cable characteristics	Lenght 1.000 mm. (39.37"), section 4 mm ² . According to IEC 60228 Class 5. Certifications TÜV and UL						
Connectors	Tyco Solarlok / Lumberg LC4 CP (MC4 compatible); IP67; certifications TÜV y UL						
Reverse current	15 A						
Dielectric insulation voltage	3.000 V						
Junction box	Tyco I740699 / Lumberg LC4 JC; IP65; certifications TÜV y UL						

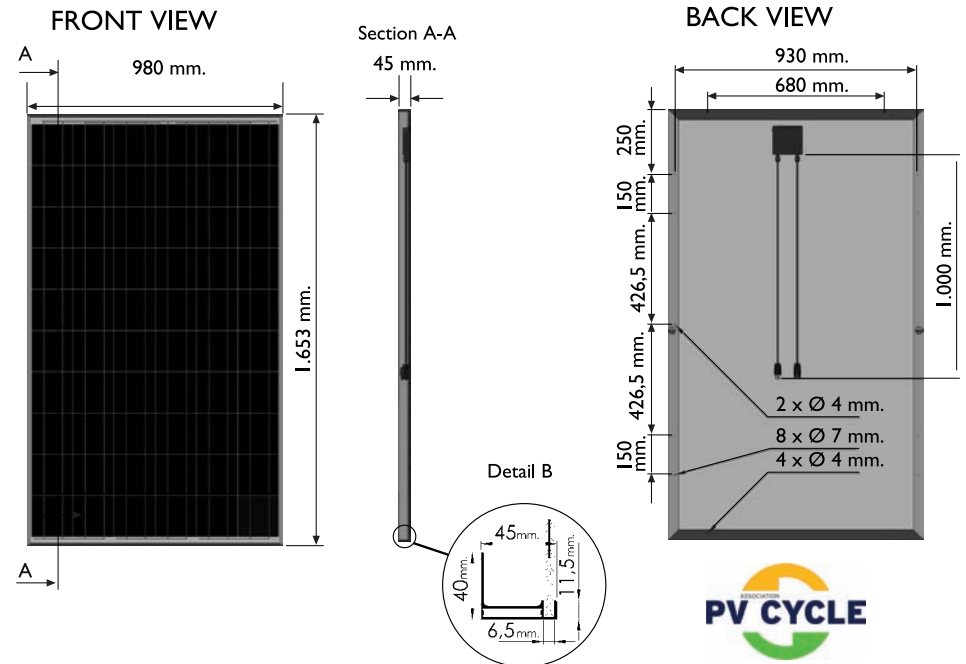
All data is subject to the Standard Test Conditions (STC). Irradiance, 1000 W/m².
AM 1.5G. Solar Spectrum. Cell temperature: 25°C

MODULE CHARACTERISTICS

Cell type	Polycrystalline 6" (156 x 156 mm.)						
Module configuration	6 Columns x 10 Rows						
Dimensions	1.653 x 980 x 45 mm. (65.07 x 38.58 x 1.77 in)						
Weight	21,5 Kg. (47,4 lb)						
Glass	Tempered, with SPF certification and low Fe content						
Maximum surface load capacity	5.400 Pa. according IEC 61215 (advanced test)						
Operating temperature	-40°C to 85°C (-40°F to 176°F)						
Relative humidity	0 to 100%						

The specifications described in this data sheet are subject to change without notice.

MODEL FTS-220P



WARRANTY

Manufacturer's craftsman ship warranty: 5 years

Power warranty: 25 years, 90% power output guaranteed during the first 10 years and 80% for the remaining 15 years.

Product certificates, company certificates, user's manual (installation and safety) and the guarantee that Fluitecnik Sunenergy extends to its entire product range, are available at <http://www.fluitecnik.com/>

CERTIFICATIONS

