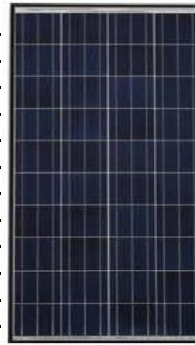


Sol² S-Series 185P

Mechanical Characteristics

Length (mm)	1645
Width (mm)	840
Height (mm)	45
Weight (Kg)	17
Junction Box	1 x Tyco junction Box with 3 Bypass diodes
Cables	Solar Cable, Length 1000mm, 4 mm ² thick
Front Substrate	HiT SM, ARC White Glass 3.2mm thickness
Cells	50 polycrystalline cells (156 x 156 mm)
Encapsulation Material	EVA - Ethylene Vinyl Acetate
Back Substrate	Tedlar or APA or Dymat
Frame	45 mm Aluminum profile - Natural or Black Anodized
Unframed Dimensions	1632 x 832 x 4.5 mm (LxWxH) (Tol. +/- 2mm)



Electrical Characteristics

Power Class	Wp	205 Wp	200 Wp	195 Wp	190 Wp	185 Wp
Power Tolerance		207,5	202,5	197,5	192,5	187,5
Min Power	Wp	202,5	197,5	192,5	187,5	182,5
Voltage at Max Power (Vmp)	V	24,4 V	24,3 V	24,1 V	23,9 V	23,7 V
Current at Max Power (Imp)	A	8,40 A	8,25 A	8,10 A	7,95 A	7,8 A
Open circuit Voltage (Voc)	V	31,4 V	31,1 V	30,8 V	30,6 V	30,3 V
Short Circuit Current (Isc)	A	9,00 A	8,80 A	8,65 A	8,55 A	8,40 A
Maximum System Voltage	V	1000 V	1000 V	1000 V	1000 V	1000 V
Module efficiency		14.82%	14.45%	14.09%	13.73%	13.37%

Temperature coefficient Uoc

-0,32 %/°K to -0,35%/°K

Temperature coefficient Isc

0,05 %/°K to 0,06%/°K

Temperature coefficient for power

-0,38 %/°K to -0,44%/°K

+/- 1% de tolérance on power before solarization - Polycrystallines cells

Use Conditions

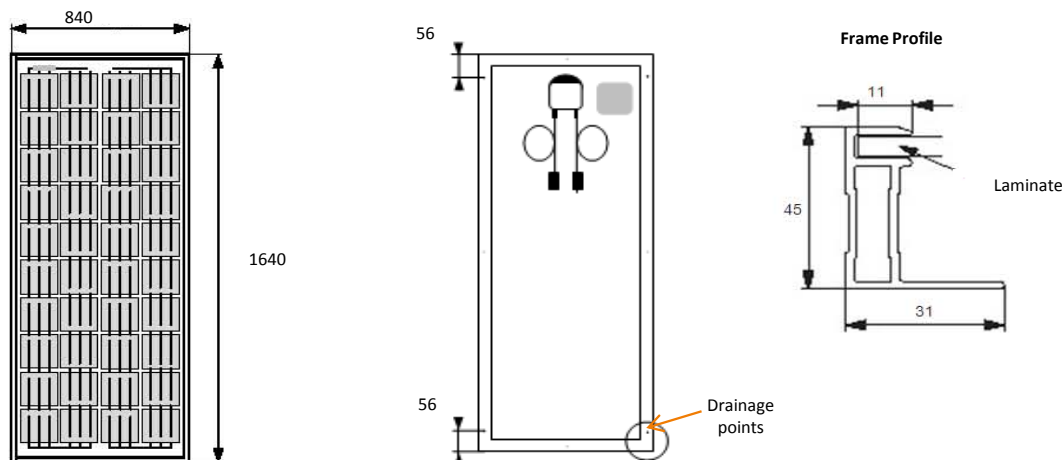
Temperature Range	-40 °C to + 85 °C
Hail Test	Limited to a diameter of 28mm at an impact speed of 86 km/h
Test Load	Certified up to 5400 Pa according to IEC 61215 Ed. 2

Certification

IEC 61215:2005 Ed. 2	Certified
EN6170 Class 1 & Class 2	Certified

Waranty

Product	3 years
Power	Terrestrial: 25 years 80% yield Marine: 10 years / 90% yield



Version 05/2009. Can be modified without notice. Average Electrical characteristics for Power class

Power tolerance related to power class before <<LID>> /Pictures and Drawings Are not contractual

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