



SDDirectPro

MODULE SD210 POWER



MECHANICAL CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS (STC)*	210Wp	205Wp	200Wp	195Wp	190Wp	185Wp
Power Tolerance	212,5	207,5	202,5	197,5	192,5	187,5
Min Power (W)	207,5	202,5	197,5	192,5	187,5	182,5
Voltage at Max Power (Vmp)	24,5	24,4 V	24,3 V	24,1 V	23,9 V	23,7 V
Current at Max Power (Imp)	8,57	8,40 A	8,25 A	8,10 A	7,95 A	7,8 A
Open circuit Voltage (Voc)	31,7	31,4 V	31,1 V	30,8 V	30,6 V	30,3 V
Short Circuit Voltage (Isc)	9,18	9,00 A	8,80 A	8,65 A	8,55 A	8,40 A
Maximum System Voltage	1000V	1000V	1000V	1000V	1000V	1000V
Voltage temperature correction factor (Open Circuit)	-0,32%/°K to -0,35%/°K					
Current Temperature correction factor (Short Circuit)	0,05%/°K to 0,06%/°K					
Power Temperature correction Factor	-0,38%/°K to -0,44%/°K					
NOCT	-40°C to +85°C					
(STC) Standard testing conditions :	1000 W/m ² , AM 1.5, 25°C					
Safety Class	Class II					
Max. Over-current protection rating	25					

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USE CONDITIONS

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

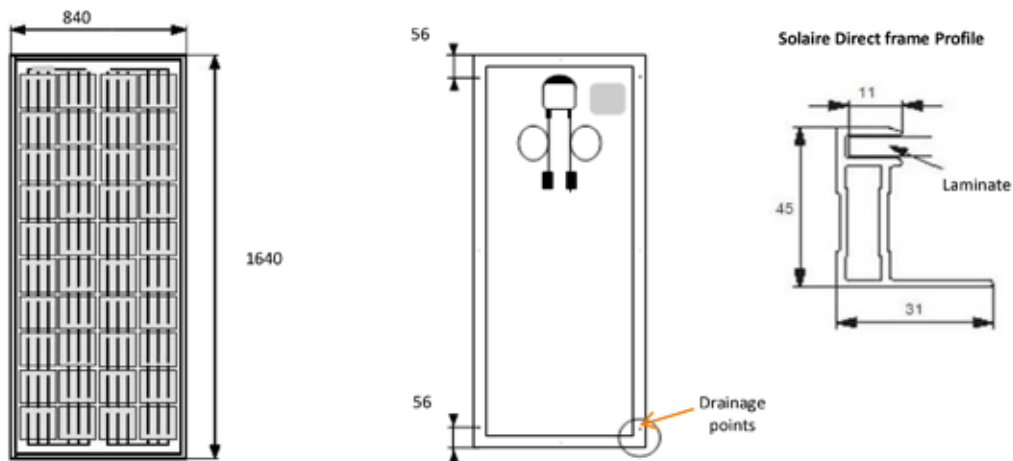
CERTIFICATION

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

WARRANTY

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

MODULE DRAWING



* The STC values correspond to 1000 W/m² irradiance in the plane of module, module temperature 25°C and a spectral distribution of irradiance according to Air Mass 1,5, power measurements made with an accuracy of +/-5%.

ITEM	MODULE SIZE	PALLET SIZE	Qty Per Pallet	Pallet per 40' Container	Qty 40' Container
SD MAX 210W	1645*840*45	1700*880*1250mm	23pcs		



Solairedirect Technologies - CNR De Beer Road and Sacks Circle – Bellville South 7530 PO Box 501 Athlone 776

www.solairetechnologies.com sales@solairetechnologies.com

Solairedirect reserves the right to make specification changes without notice in order to improve the product.