



SDDirectPro

MODULE SD250 POWER



MECHANICAL CHARACTERISTICS

Length	1640mm
Width	992mm
Height	40mm
Weight	18.5Kg
Junction box	IP65/IP67 rated, with bypass diodes
Cables	4mm ² (EU)/12 AWG (US), 1000mm
Front Substrate	High Transmission, Low Iron, Tempered Glass
Cells	156x156mm Polycrystalline
Encapsulation	EVA - Ethylene Vinyl Acetate
Back Substrate	Tedlar or APA or Dymat
Frame	Anodized Aluminium Alloy
Unframed dimensions	

ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS (STC)*	240Wp	245Wp	250Wp	255Wp	260Wp
Power Tolerance	0- +5W	0- +5W	0- +5W	0- +5W	0- +5W
Min Power (W)					
Voltage at Max Power (Vmp)	29,7 V	29,9 V	30,1 V	30,4 V	30,5 V
Current at Max Power (Imp)	8.08 A	8,19 A	8,31 A	8,39 A	8,53 A
Open circuit Voltage (Voc)	37.2V	37,3 V	37,4 V	37,5 V	37,6 V
Short Circuit Current (Isc)	8.64 A	8,73 A	8,83 A	8,86 A	8,95 A
Maximum System Voltage	1000V	1000V	1000V	1000V	1000V
Voltage temperature correction factor (Open Circuit)	-0,30%/°C				
Current Temperature correction factor (Short Circuit)	0,04%/°C				
Power Temperature correction Factor	-0,40%/°C				
NOCT	45°C +/-2°C				
(STC) Standard testing conditions :	1000 W/m ² , AM 1.5, 25°C				
Safety Class	Class II				
Max. Over-current protection rating	20				

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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

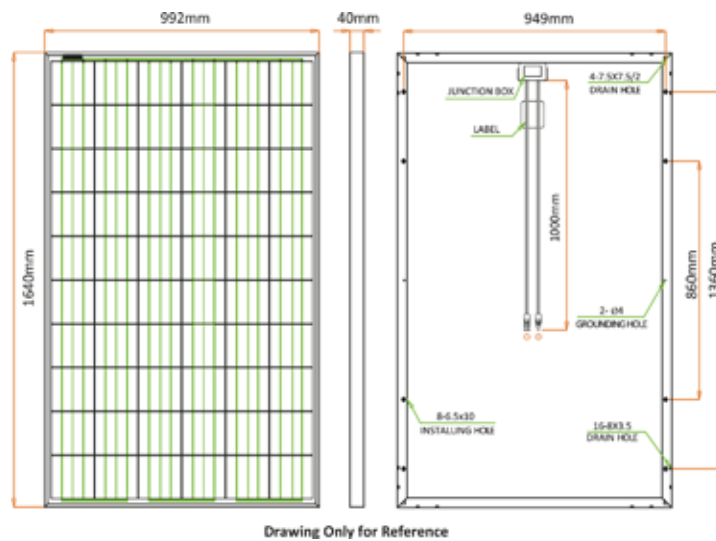
CERTIFICATION

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 250W	1640*992*40	1720*1200*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.