



MODULE SD300 POWER



MECHANICAL CHARACTERISTICS

Length	1956mm
Width	992mm
Height	50mm
Weight	29Kg
Junction box	IP65/IP67 rated, with bypass diodes
Cables	4mm ² (EU)/12 AWG (US), 1450mm
Front Substrate	High Transmission, Low Iron, Tempered Glass
Cells	Virtus II (Polycrystalline) 156x156mm
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)*	295Wp	300Wp	305Wp
Power Tolerance	0- +5W	0- +5W	0- +5W
Min Power (W)			
Voltage at Max Power (Vmp)	36,3 V	36,6 V	36,6 V
Current at Max Power (Imp)	8,13 A	8,20 A	8,33 A
Open circuit Voltage (Voc)	44,7V	44,8 V	44,9 V
Short Circuit Current (Isc)	8.62 A	8,69 A	8,73 A
Maximum System Voltage	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

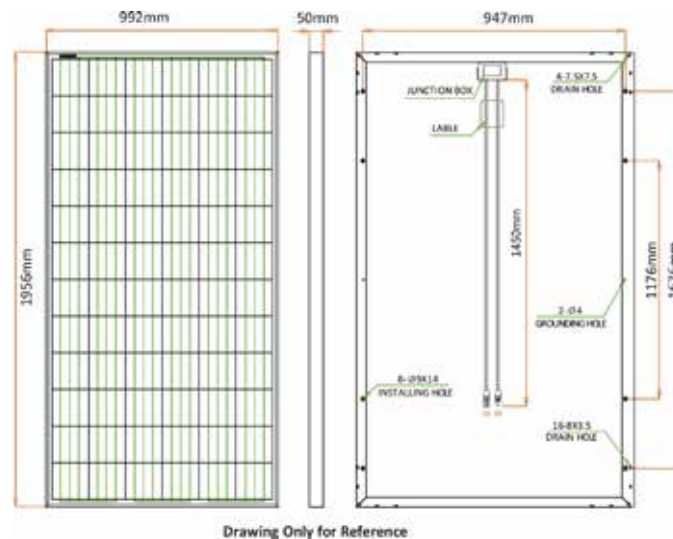
CERTIFICATION

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 300W	1956*992*50	2000*1200*1250mm	20pcs		



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.