



SDDirectPro

MODULE SD250 POWER



MECHANICAL CHARACTERISTICS	
Length	1660mm
Width	990mm
Height	45mm
Weight	19Kg
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	60 Polycrystalline Cells (156 x 156mm)
Encapsulation	EVA - Ethylene Vinyl Acetate
Back Substrate	Composite Sheet Tedlar or APA
Frame	45mm Aluminium profile - Natural or Black Anodized
Unframed dimensions	1652 x 982 x 5mm (LxWxH) (Tol. +/- 2mm)

ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS (STC)*	235Wp	240Wp	245Wp	250Wp	255Wp
Power Tolerance	+/- 3%	+/- 3%	+/- 3%	+/- 3%	+/- 3%
Min Power (W)	228	238	243	248	253
Voltage at Max Power (Vmp)	29.40	29.00	29.20	29.60	30.00
Current at Max Power (Imp)	8.04	7.90	8.10	8.20	8.40
Open circuit Voltage (Voc)	36.90	36.00	36.20	37.00	37.20
Short Circuit Current (Isc)	8.65	8.00	8.40	8.70	8.90
Maximum System Voltage	1000	1000	1000	1000	1000
Voltage temperature correction factor (Open Circuit)	-0,35%/°C				
Current Temperature correction factor (Short Circuit)	0,05%/°C				
Power Temperature correction Factor	-0,44%/°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

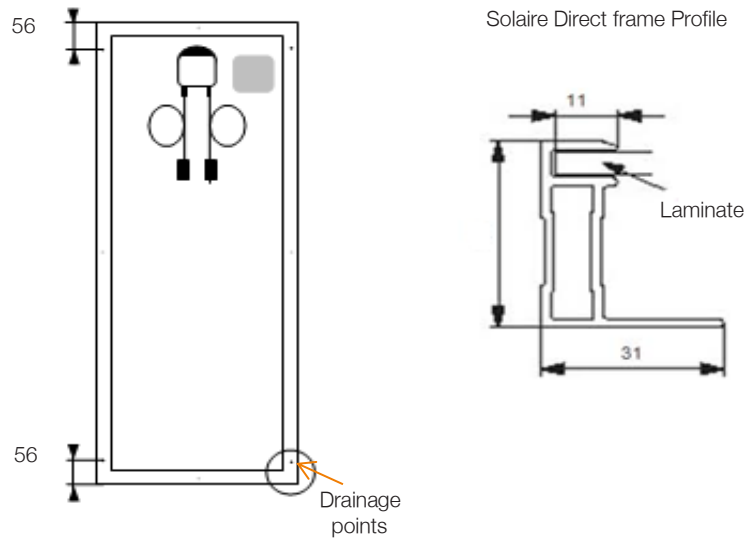
CERTIFICATION

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	1660*990*45	1720*1200*1250mm	23pcs		



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