

Sterling SS MONO 265 – Silver



ELECTRICAL CHARACTERISTICS	SS MONO 265
<i>Performed at STC: Irradiance 1000 W/m², module temperature 25°C, spectrum at air-mass AM 1.5</i>	
Nominal power @ STC (P _{MAX})	265 W
Tolerance (P _{MAX})	± 3%
Voltage @ maximum power point (V _{MPP})	30.7 V
Current @ maximum power point (I _{MPP})	8.2 A
Open circuit voltage (V _{OC})	37.85 V
Short circuit current (I _{SC})	8.8 A
Module efficiency (Percent)	15.9%
Temperature coefficient of P _{MPP} (γ ₂)	-0.44%/K
Temperature coefficient of V _{OC} (β ₂)	-0.32%/K
Temperature coefficient of I _{SC} (α ₂)	0.058%/K
<i>Electrical Data at Nominal Operating Cell Temperature (NOCT) Irradiance 800 W/m², air temperature 20°C, air-speed 1.5 m/s</i>	
Nominal power @ NOCT (P _{MAX})	172 W
Voltage @ maximum power point (V _{MPP})	27.1 V
Current @ maximum power point (I _{MPP})	6.4 A
Open circuit voltage (V _{OC})	34.0 V
Short circuit current (I _{SC})	6.9 A
Tolerance	± 10%
Nominal operating cell temperature (NOCT)	51.5°C

MECHANICAL PARAMETERS	
Overall dimensions (frame)	1,663 x 997 x 35 mm
Mass	19 +/- 1 kg
Tested static back load (1 h)	2,400 N/m ²
Tested static front load (1 h)	5,400 N/m ²

KEY COMPONENTS	
Glass	3.2 mm thick Solar Glass
Photovoltaic cells	Monocrystalline 3BB 156mmx156mm
Cell connector	Gebauer & Griller Sn62Pb36Ag2, 2.0x0.17mm
Encapsulant	Bridgestone 'Evasky S88' EVA
Back sheet	Dunmore 'Dunsolar' PPE+ White
Frame	1.5mm Silver Aluminium anodized
Junction Box	TE Connectivity PV4 Connectors, MC4 compatible

GENERAL ELECTRICAL PARAMETERS	
Maximum system voltage (V DC)	1,000 V
Maximum module reverse current (I _R)	18 A

SUNSOLAR WARRANTY
 All our panels come with a comprehensive performance and workmanship warranty. Linear Power Warranty of 25 years and Product Warranty of 25 years.
 Disclaimer: SunSolar Energy Ltd reserve the right to update specification details without prior notice.



Contact

T: +44 (0) 121 552 8848
 E: sales@sunsolarenergy.co.uk
 W: www.sunsolarenergy.co.uk

SunSolar Energy Limited,
 Houghton Street, Oldbury,
 Birmingham, West Midlands
 B69 2BB

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SunSolar Energy Ltd is a leading British manufacturer of photovoltaic (PV) Solar panels.

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or email sales@sunsolarenergy.co.uk.

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