

Sterling SS MONO 260 – Silver

ELECTRICAL CHARACTERISTICS

SS MONO 260

Performed at STC: Irradiance 1000 W/m², module temperature 25°C, spectrum at air-mass AM 1.5

Nominal power @ STC (P _{MAX})	260 W
Tolerance (P _{MAX})	± 3%
Voltage @ maximum power point (V _{MPP})	30.3 V
Current @ maximum power point (I _{MPP})	8.6 A
Open circuit voltage (V _{OC})	37.8 V
Short circuit current (I _{SC})	9.1 A
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

Electrical Data at Nominal Operating Cell Temperature (NOCT)

Irradiance 800 W/m², air temperature 20°C, air-speed 1.5 m/s

Nominal power @ NOCT (P _{MAX})	178 W
Voltage @ maximum power point (V _{MPP})	26.7 V
Current @ maximum power point (I _{MPP})	6.7 A
Open circuit voltage (V _{OC})	34.0 V
Short circuit current (I _{SC})	7.1 A
Tolerance	± 10%
Nominal operating cell temperature (NOCT)	51.5°C

MECHANICAL PARAMETERS

Overall dimensions (frame)	1,663 x 997 x 42 mm
Mass	21 +/- 1 kg
Tested static back load (1 h)	2,400 N/m ²
Tested static front load (1 h)	2,400 N/m ²

KEY COMPONENTS

Glass	Trakya Cam, 4mm thick Durasolar P+ Prism
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	2mm Silver Aluminium anodized
Junction Box	TE Connectivity 8-1740971-1 PV4 Connectors

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.



Certificate Number: MCS PV0205



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ID 0000041003



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.

- UK's only manufacturer of solar modules
- Superior after sales service
- State-of-the-art technology
- Highest quality components
- 25 year guaranteed performance
- 25 year product warranty
- Quality performance tested using 'Triple A+' flash tester
- MCS and TUV Rheinland approved products
- 100% revenue stays in the UK



For more information, contact us on +44 (0) 121 552 8848
or email sales@sunsolarenergy.co.uk.

www.sunsolarenergy.co.uk