

TECHNICAL DATA



ONYX G/GM02844

Manufacturer ONYX SOLAR ENERGY S.L.
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Performance at STC

Nominal peak power P _{max}	135 W ±5%
Open-circuit voltage V _{oc}	19 V ±5%
Short-circuit current I _{sc}	9.24 A ±5%
Voltage at nominal power V _{mp}	15
Current at nominal power I _{mp}	8.94
Binning Tolerance	±5 W
PV module efficiency	15.6 % & 16.6 %

STC: 1000 w/m², AM 1.5 and a cell temperature of 25°C, stabilized module state.

Performance at low irradiance

Power P _{max}	26.4 W ±2.1%
Open-circuit voltage V _{oc}	17.9 V ±0.5%
Short-circuit current I _{sc}	1.83 A ±1.7%
Voltage at nominal power V _{mp}	15.3 V ±1.3%
Current at nominal power I _{mp}	1.7 A ±1.8%

Mechanical description

Length	2468 mm & 2323 mm
Width	351 mm & 351mm
Thickness	9.8 mm & 9.8 mm
Surface area	0.87 sqm & 0.82 sqm
Weight	17 Kg & 16 Kg
Cell type	6' Mono 158 Crystalline
No PV cells / Transparency degree	28 15%
Front Glass	4 mm Tempered Glass Low-Iron
Rear Glass	4 mm Tempered Glass Clear
Thickness encapsulation	1.8 EVA Foils
Mechanical installation	No clamps. See Installation Manual

Junction Box

Protection	IP 67
Wiring Section	4.0 mm ²

Limits

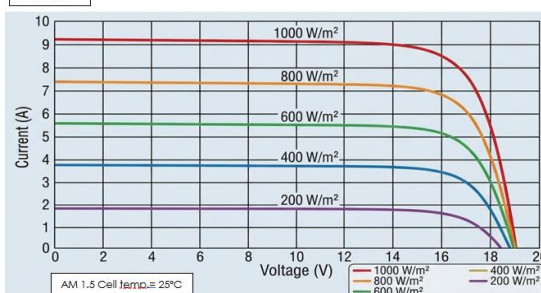
Maximum system voltage	1000 V V _{sys}
Series fuse max rating	17 A
Fire Class rating	Class C
PV Connector	QC4.10 (QC SOLAR)
Module T° [98]máx	70 °C

Temperature Coefficients

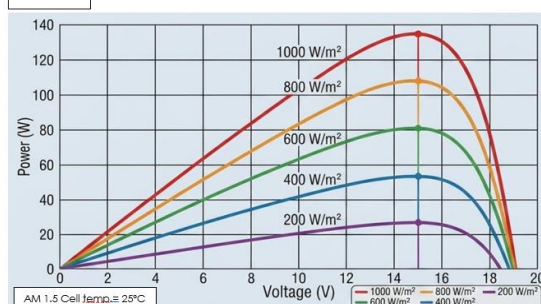
Temperature Coefficient of P _{max}	-0.32 %/°C
Temperature Coefficient of V _{oc}	-0.28 %/°C
Temperature Coefficient of I _{sc}	0.07 %/°C

*All technical specifications are subject to change without notice by Onyx Solar

I-V CURVE



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