MITREX
BUILDING-INTEGRATED SOLAR TECHNOLOGY

SOLAR SIDING

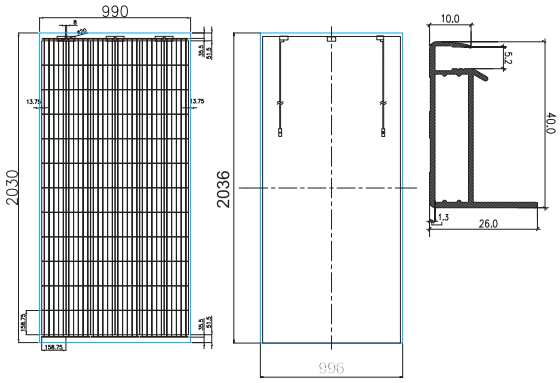
Granite Grey Facing

High Efficiency Mono Module

315W

1000V

ENGINEERING DRAWING (mm)

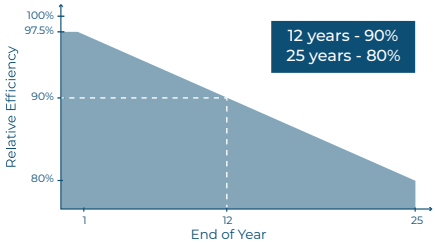


ELECTRICAL DATA | STC*

SPECIFICATIONS	SOLAR SIDING GRANITE GREY
Nominal Max. Power (Pmax)	315W
MPP Operating Voltage (Vmp)	40.7V
MPP Operating Current (Imp)	7.74A
Open Circuit Voltage (Voc)	48.6V
Short Circuit Current (Isc)	8.16A
Module Efficiency	15.5%
Operating Temperature	-40°C ~ +85°C
Max. System Voltage	1000V (IEC/UL)
Max. Series Fuse Rating	20A
Application Classification	Class A

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m2, spectrum AM 1.5 and cell temperature of 25°C.

LINEAR PERFORMANCE WARRANTY



12 years - 90%
25 years - 80%

25 Year Product Warranty

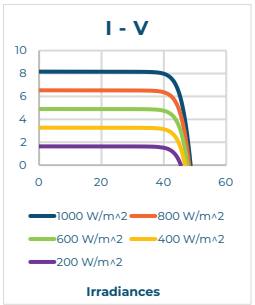
25 Year Linear Power Warranty

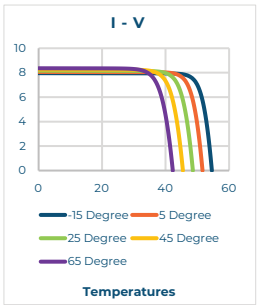
MECHANICAL DATA

SPECIFICATIONS	SOLAR SIDING GRANITE GREY
Cell Type	Mono-crystalline
Cell Arrangement	72 [12x6]
Dimensions	2036x996x40mm
Front Cover	3.2 mm tempered glass
Frame	Anodized aluminum alloy silver frame
Weight	22kg
J-Box	IP68, 3 bypass diodes
Cable	4mm² , 12 AWG (UL)
Cable Length (Including Connector)	300mm, 1000mm, 1200mm
Connector	Staubli MC4
Max Static Load Front/Back	2400Pa/2400Pa

TEMPERATURE CHARACTERISTICS

SPECIFICATIONS	SOLAR SIDING GRANITE GREY
Temperature Coefficient Pmax	-0.36% / °C
Temperature Coefficient Voc	-0.27% / °C
Temperature Coefficient Isc	0.036% / °C
Nominal Module Operating Temperature	42 ± 3°C





- Datasheet is subjected to change without prior notice, always obtain the most recent version of the datasheet.
- Caution: For professional use only, the installation, handling, and cleaning of PV modules should only be performed by qualified professionals.

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