MITREX
BUILDING-INTEGRATED SOLAR TECHNOLOGY

# SOLAR SIDING

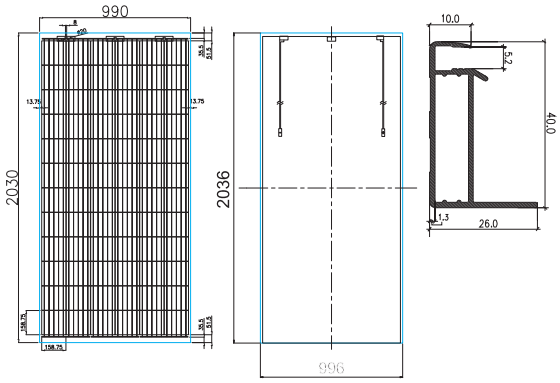
**Brown Wood Tile Shingles Facing - Portrait**

High Efficiency Mono Module

**305W**

1000V

## ENGINEERING DRAWING (mm)

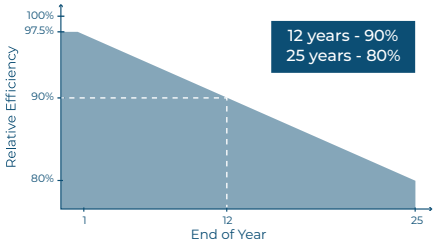



## ELECTRICAL DATA | STC*

| SPECIFICATIONS | SOLAR SIDING BROWN WOOD TILE SHINGLES |
|---|---|
| Nominal Max. Power (Pmax) | 305W |
| MPP Operating Voltage (Vmp) | 40.6V |
| MPP Operating Current (Imp) | 7.51A |
| Open Circuit Voltage (Voc) | 48.5V |
| Short Circuit Current (Isc) | 7.90A |
| Module Efficiency | 15.0% |
| 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

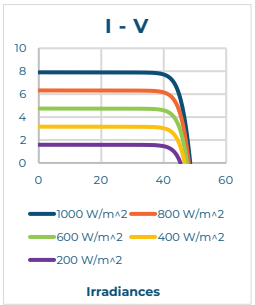
**25** Year Linear Power Warranty

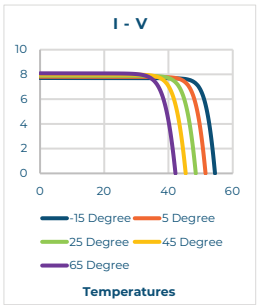
## MECHANICAL DATA

| SPECIFICATIONS | SOLAR SIDING BROWN WOOD TILE SHINGLES |
|---|---|
| Cell Type | Mono-crystalline |
| Cell Arrangement | 72 [12x6] |
| Dimensions | 2036x996x40mm |
| Front Cover | 3.2 mm tempered glass |
| Frame | Anodized aluminum alloy black 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 BROWN WOOD TILE SHINGLES |
|---|---|
| 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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