Luma Solar Shingle 80 Watt (LSS80)
High Efficiency Monocrystalline Solar Shingle

Features

- Complete solar roofing system that seamlessly blends solar shingles with non-solar metal shingles
- Installs like traditional metal roofing
- Designed for air flow and wire harnesses under the solar shingles
- Only one penetration is required for the wires to go through the roof deck
- Solar cells have high conversion efficiencies resulting in superior power output performance
- Outstanding power output even in low light or high temperature conditions
- The “Luma Solar Kits” can be integrated with all roofing material

Dimensions

L 54.37” x W 15.62” x H 2”

Electrical Data (STC*)

- Maximum Power (Pmax): 80W
- Performance Tolerance: + / -3%
- Maximum Power Voltage (Vmp): 8.56 V
- Maximum Power Current (Imp): 9.34 A
- Open Circuit Voltage (Voc): 10.43 V
- Short Circuit Current (Isc): 8.99 A
- Maximum DC System Voltage US: 600 V
- Maximum DC System Voltage EU: 1000 V
- Maximum Series Fuse Rating: 15 amp
- Efficiency: 22.1%

Temperature Coefficients

- NOCT: 45 +/- 2° C
- Pmax: - 0.42% / °C
- Voc: - 0.30% / °C
- Operating Temperature: - 40% °C / + 85 °C

Warranty & Certifications

25 year limited power warranty at 80%
5 year limited product warranty

- UL 1703 Certified (US/Canada Listed)
- UL 580 Approved
- ANSI/UL 790 Fire Rating: Class C
- Miami-Dade Hurricane Rating: Class 5+
- TAS 125-03: Wind MPH 200+
- Salt Spray Exposure Rated
- ASTM G 155-05a / B117-07a

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