



SOLAR MODULE ASRPV816E/T

ASRPV816E/T

- Roof Incorporated Design
- 20 Year Warranty on Power Output at 80%
- Designed to operate in low light or shaded conditions
- Light Weight Design - less than @2 lbs per sq ft
- Available in EPDM or TPO Configurations (TPO shown)
- Wind Rated Design
- Hail Resistant Design
- UL Listed Class A for Fire When Incorporated into a Class A Roof System
- UL Listed to 600 VDC
- Meets IEC 61646 Requirements
- Bypass Diodes for Shadow and Low Light Tolerance
- Unified 20 Year Roof and Photovoltaic Warranty



ASR, Inc.
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A Division of The 2001 Company, Inc.

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Solar Roofing Solutions
Powerplants on Rooftops

PERFORMANCE CHARACTERISTICS:

Rated Power (Pmax): 816W (STC)

Production Tolerance: $\pm 5\%$

Performance degradation: 1% per year

CONSTRUCTION CHARACTERISTICS:

Dimensions: 200 sq ft - ten feet by twenty feet

Weight: 296.0 lbs in EPDM and 250 lbs in TPO

Output Cables: $\sim 2.5\text{mm}^2$ cable with weatherproof DC rated quick-connect terminals*
560mm (22") length.

BY-Pass Diodes: Connected across every solar cell.

Laminate Encapsulation: Durable ETFE (e.g. Tefzel®) high light-transmissive polymer.

Adhesive: Ethylene propylene copolymer adhesive-sealant with microbial inhibitor.

Cell Type: Six - 22 triple junction amorphous silicon solar cells 356 x 239mm (14" x 9.4")
connected in series.

Qualifications and Safety:



Listed by Underwriter's Laboratories Class A for:

New Construction

Non Combustible Decks

Combustible Decks

Retrofit Over Existing Roof System

Laminate Standard Configuration • Installation by ASR certified installers only

- Installation temperature between 10°C - Photovoltaic laminate with potted terminal 40°C (50°F - 100°F) housing assembly with output cables and quick connectors
- Maximum roof temperature 85°C (185°F) connect terminals*.
- Refer to manufacturer's installation guide for approved substrates & installation

Substrate Configuration:

90 mil EPDM Membrane – Factory Laminated

60 Mil TPO Membrane – Factory Laminated

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