



Nishati  
Power  
Technologies™

# Endurance™ Flex RV Solar Panels

POWERED BY  MERLIN SOLAR

## Glass-free Direct-Bonded Solar for Recreational Vehicles



### Hassle-free Installation

- Over 60% Lighter than glass solar panels
- Quick/Easy install – Just “peel & stick”
- Bonds directly to metal, fiberglass, curved surfaces, fabric & more
- No mounting hardware, special tools, or surface penetration required



### Rugged, Durable Solar that Performs

- Industry leading power output
- 2.5x power density of thin-film
- 50x more durable than bus bar solar panels
- 15-20% more energy in real world conditions



### Key Product Features

- 21-23% efficient monocrystalline silicon PERC solar cells with Merlin® Grid interconnect
- **New!** G1 solar cell format = More power in the same area
- Weather resistant package, rugged low-profile sealed junction boxes, durable back-sheet
- Multiple panel sizes & shapes adapt to roof layouts to maximize coverage / energy harvest
- Optimized for maximum performance in high vibration and high temperature conditions
- Integrated “Peel & Stick” adhesive tested to 150+ mph wind
- Low reflection / high absorption materials increase harvest in low angle and scattered light



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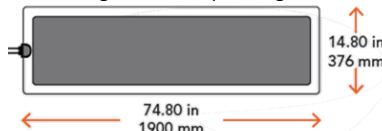
# Endurance™ Flex RV

## Specifications<sup>1</sup>

| Parameter \ Model   | EFRV-100   | EFRV-110L  | EFRV-120R | EFRV-120L/S | EFRV-180L/S/R | EFRV-240L/S | EFRV-370P   |  |  |  |  |  |  |  |
|---|--|------------|-----------|-------------|---------------|-------------|-------------|--|--|--|--|--|--|--|
| <b>PV Solar Cell Type</b>   | mc-Si (M6)   | mc-Si (G1) |           |             |               |             | mc-Si (M10) |  |  |  |  |  |  |  |
| <b>Rated Power   Pmax</b>   | 103W   | 110W       | 120W      | 120W        | 180W          | 240W        | 370W        |  |  |  |  |  |  |  |
| <b>Voltage @Max. Power   Vmp</b>  | 19.8V  | 24.6V      | 26.9V     | 13.34V      | 19.8V         | 26.8V       | 21.6V       |  |  |  |  |  |  |  |
| <b>Current @Max. Power   Imp</b>  | 5.17A  | 4.47A      | 4.47A     | 9.00A       | 9.00A         | 9.00A       | 17.13A      |  |  |  |  |  |  |  |
| <b>Open Circuit Voltage   Voc</b>   | 24.48V   | 29.22V     | 31.87V    | 15.94V      | 23.90V        | 31.87V      | 25.56V      |  |  |  |  |  |  |  |
| <b>Short Circuit Current   Isc</b>  | 5.85A  | 4.84A      | 4.84A     | 9.67A       | 9.67A         | 9.67A       | 18.18A      |  |  |  |  |  |  |  |
| <b>Active Area Efficiency</b>   | 19%  | 19%        | 19%       | 19%         | 19%           | 19%         | 19%         |  |  |  |  |  |  |  |
| <b>Back-sheet color<sup>2</sup></b>   | White is standard  |            |           |             |               |             |             |  |  |  |  |  |  |  |
| <b>JBox / Termination</b>   | Top mount Jbox / PV cable with polarized MC4 connectors are standard |            |           |             |               |             |             |  |  |  |  |  |  |  |
| 1. Standard test conditions (STC): 1000 W/m <sup>2</sup> intensity, Air Mass 1.5, 25°C cell temperature. Power tolerance is ±5.0% at STC. Electrical characteristics are within ± 10% unless otherwise specified. Specifications are subject to change. |  |            |           |             |               |             |             |  |  |  |  |  |  |  |
| 2. Black and other colors available on request; fees may apply and performance may vary   |  |            |           |             |               |             |             |  |  |  |  |  |  |  |

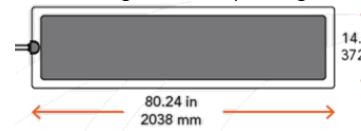
### EFRV-110L

Weight: 5.84 lbs | 2.65 kg



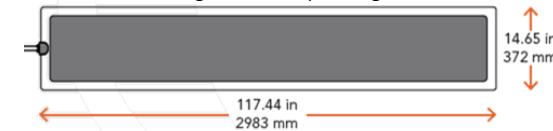
### EFRV-120L

Weight: 6.17 lbs | 2.80 kg



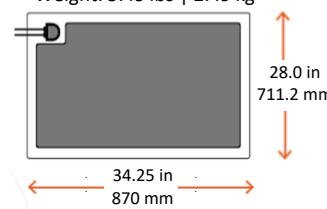
### EFRV-180L

Weight: 9.15 lbs | 4.15 kg



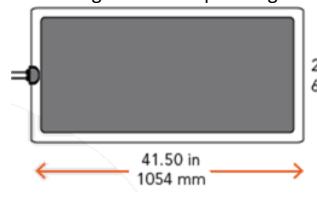
### EFRV-100

Weight: 5.49 lbs | 2.49 kg



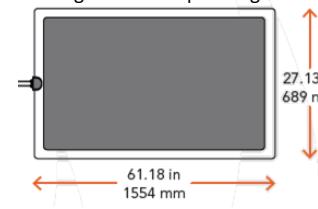
### EFRV-120R

Weight: 6.17 lbs | 2.80 kg



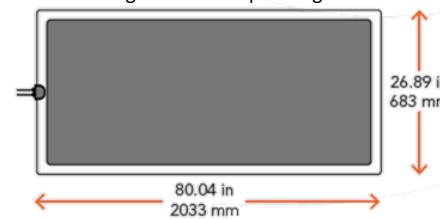
### EFRV-180R

Weight: 9.15 lbs | 4.15 kg



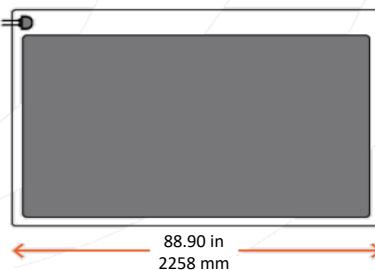
### EFRV-240L

Weight: 11.42 lbs | 5.18 kg



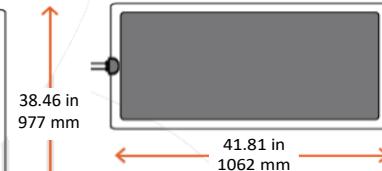
### EFRV-370P

Weight: 19.4 lbs | 8.80 kg



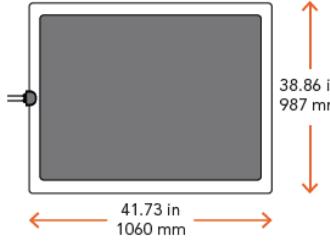
### EFRV-120S

Weight: 6.17 lbs | 2.80 kg



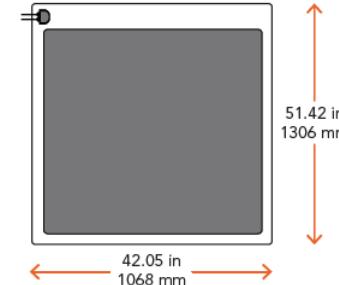
### EFRV-180S

Weight: 9.15 lbs | 4.15 kg



### EFRV-240S

Weight: 11.42 lbs | 5.18 kg



Panel profiles not shown to scale

## Warranty

| Application         | Material & Workmanship  | Power Output           |
|---------------------|-------------------------|------------------------|
| RV / Transportation | 1-year limited warranty | 80% minimum at 5 years |

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Portable • Reliable • Rugged  
Military Power

Website: [www.nishati-us.com](http://www.nishati-us.com)

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