



Nishati  
Power  
Technologies™

# Endurance™ Flex RV Solar Panels

POWERED BY  MERLIN SOLAR®

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



### 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



### 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



### Key Product Features

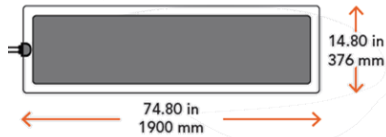
- 21-23% efficient monocrystalline silicon PERC solar cells with Merlin® Grid interconnect
- **New!** G1 solar cell format = More power in the same area
- Weather resistant package, rugged low-profile sealed junction boxes, durable back-sheet
- Multiple panel sizes & shapes adapt to roof layouts to maximize 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

## Specifications<sup>1</sup>

Model Parameter	EFRV-100	EFRV-110L	EFRV-120R	EFRV-120L/S	EFRV-180L/S/R	EFRV-240L/S	EFRV-370P
PV Solar Cell Type	mc-Si (M6)	mc-Si (G1)					mc-Si (M10)
Rated Power Pmax	103W	110W	120W	120W	180W	240W	370W
Voltage @Max. Power Vmp	19.8V	24.6V	26.9V	13.34V	19.8V	26.8V	21.6V
Current @Max. Power Imp	5.17A	4.47A	4.47A	9.00A	9.00A	9.00A	17.13A
Open Circuit Voltage Voc	24.48V	29.22V	31.87V	15.94V	23.90V	31.87V	25.56V
Short Circuit Current Isc	5.85A	4.84A	4.84A	9.67A	9.67A	9.67A	18.18A
Active Area Efficiency	19%	19%	19%	19%	19%	19%	19%
Back-sheet color <sup>2</sup>	White is standard						
JBox / Termination	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							

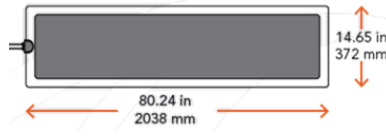
### EFRV-110L

Weight: 5.84 lbs | 2.65 kg



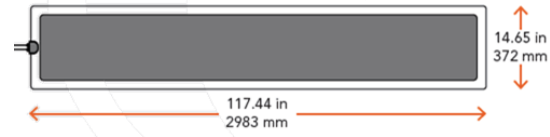
### EFRV-120L

Weight: 6.17 lbs | 2.80 kg



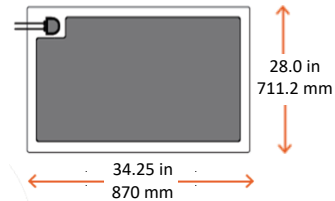
### EFRV-180L

Weight: 9.15 lbs | 4.15 kg



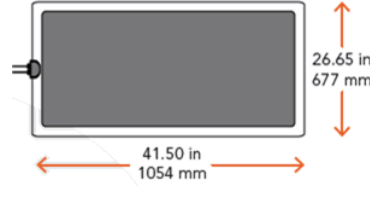
### EFRV-100

Weight: 5.49 lbs | 2.49 kg



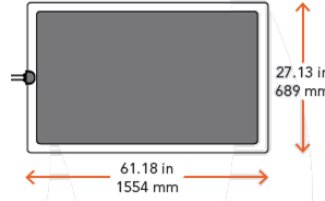
### EFRV-120R

Weight: 6.17 lbs | 2.80 kg



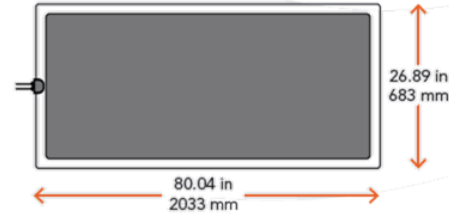
### EFRV-180R

Weight: 9.15 lbs | 4.15 kg



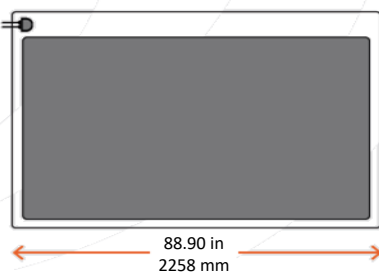
### EFRV-240L

Weight: 11.42 lbs | 5.18 kg



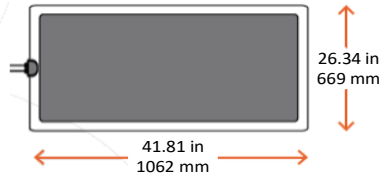
### EFRV-370P

Weight: 19.4 lbs | 8.80 kg



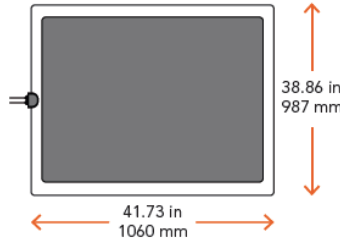
### EFRV-120S

Weight: 6.17 lbs | 2.80 kg



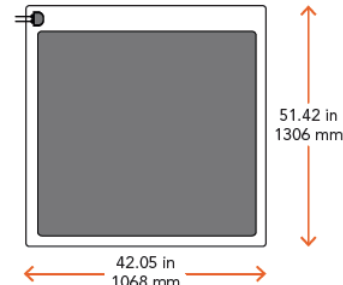
### EFRV-180S

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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Gilbert, AZ 85295  
571-999-3482

**Portable • Reliable • Rugged  
Military Power**

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