



Nishati
Power
Technologies™

Endurance™ F3 Solar Panels

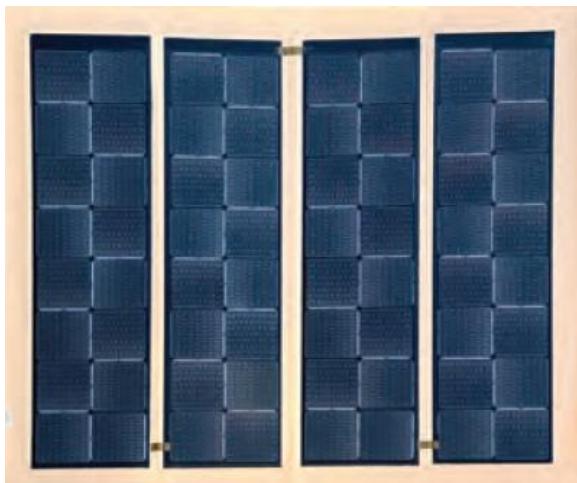
POWERED BY  MERLIN SOLAR®

Glass-free Folding Fabric Solar Panels & Arrays



Key Product Features

- High Power Density ▶ 2.5x thin-film solar
- 21-23% mc-Si PERC solar cells
- G1 cell format for MORE POWER in the same area
- Revolutionary gridded interconnect
 - ▶ increases lifetime reliability & power production
 - ▶ vibration & extreme temperature tolerance
- Low reflection / high absorption materials increase power output at low angle and scattered light



Portable, Simple, Adaptable

- 80% Lighter than glass panels
- Compact folding design for storage & transport
- Easy to attach / detach to / from structures
- Interconnect multiple folding panels for scalable power
- Flexible design & multiple panel sizes adapt to different structure geometries / applications
- Custom size and attachment options available

Rugged, Durable Solar that Performs

- Military-grade design & materials
- 50x more durable than bus bar solar panels
- Weather resistant, rugged low-profile sealed junction boxes
- High strength, heavy-duty roofing fabric
- Industry leading power output
- 15-20% more energy in real world conditions than other portable panels



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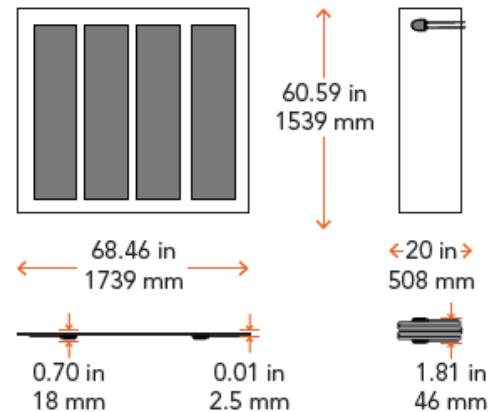
Endurance™ F3 Specifications¹

Parameter \ Model	EF3-320	EF3-640	EF3-960
Part Number	253320	253640	253960
PV Solar Cell Type	mc-Si PERC (G1)		
Number of Cells	64	128	192
Rated Power Pmax	320W	640W	960W
Voltage @Max. Power Vmp	35.57V	71.15V	106.72V
Current @Max. Power Imp	9.00A	9.00A	9.00A
Open Circuit Voltage Voc	43.10V	86.20V	129.30V
Short Circuit Current Isc	9.89A	9.89A	9.89A
Active Area Efficiency	19%	19%	19%
JBox Mount	Back	Back	Front
Termination	PV cable with polarized MC4 connectors (standard)		

1. Standard test conditions: 1000 W/m² intensity, Air Mass 1.5, 25°C cell temp. Power rating is ±5.0% at STC. Electrical characteristics are within ± 10% unless otherwise specified. Specifications are subject to change.

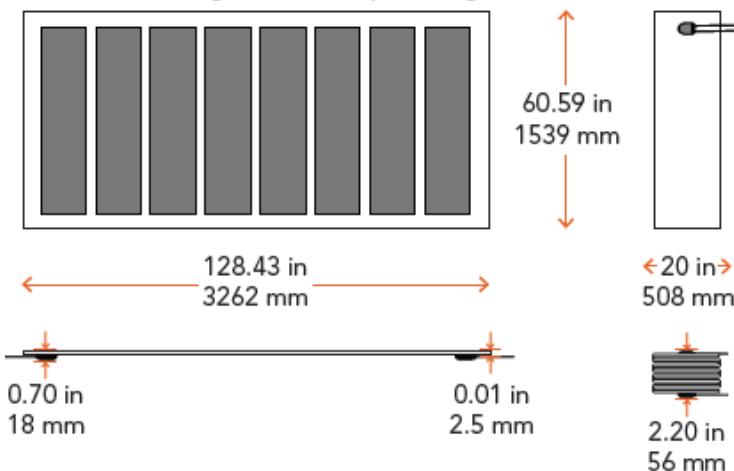
EF3-320

Weight 15.1 lbs | 6.8 kg



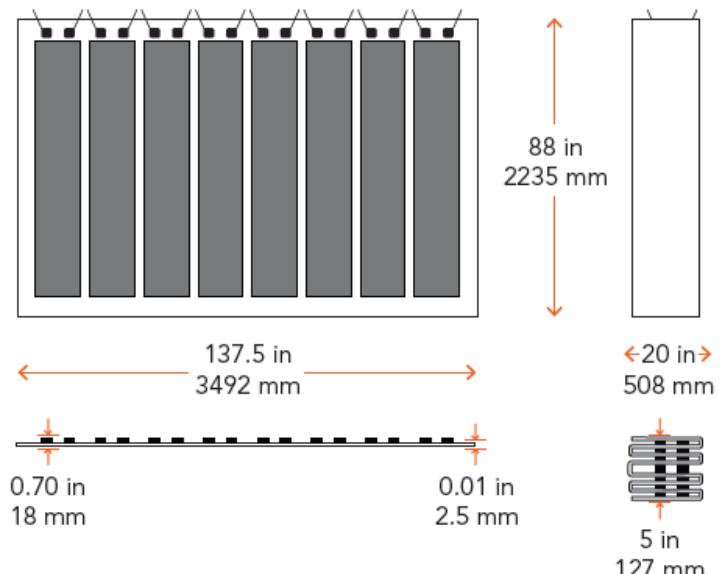
EF3-640

Weight 29.8 lbs | 13.5 kg



EF3-960

Weight 83 lbs | 37.65 kg



Warranty

Material & Workmanship	Power Output
1-year limited warranty	80% minimum at 5 years

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Portable • Reliable • Rugged
Military Power

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