

Endurance™ 80 Rigid Portable Solar Panel

Lightweight Glass-free Solar Panels Powered by **MERLINSOLAR**
REDEFINE POSSIBLE

- **Powerful:** Highly efficient module maximizes power to batteries and electronic equipment
- **Non-reflective:** Maximizes light capture, reduces visual signature
- **Durable:** Merlin™ Interconnect dramatically improves ruggedness, lifetime performance, reliability
- **All-Weather:** IP67; Protected against dust and water immersion (up to 1 meter depth)
- **Low maintenance:** Non-stick surface resists soiling / wipes clean



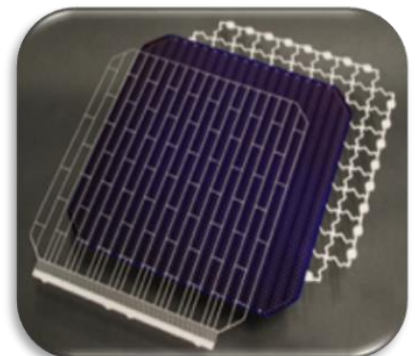
Merlin™ Interconnect: Superior Electrical Metallization

Performance Benefits

- More flex-tolerant, robust and rugged for harsh environments and handling
- Less sensitive to changing light conditions, sun angles and partial shading
- More power generated over panel lifetime
- Longer useful life = replace less often

How it Works

- Mechanically Reinforces/Protects Cells
- Improves Electrical Redundancy and Continuity
- Lowers Resistance Power Losses
- Reduces Reflectivity and Increases Light Trapping



Nishati Endurance™ 80

Nishati Endurance 80 Specifications

General Description

Part Number	230286
PV Cells	Mono-crystalline Silicon
Power Output Connections	Amphenol H4 PV Connector
Limited Warranty	2 years

Module Power Output

Rated Power (Pmax)	80 Watts (at 25°C, AM1.5, and 1000W/m ²)
Vmp	19.5 V
Imp	4.18 A
Voc	23.0 V
Isc	4.31 A
Maximum System Voltage (DC)	600V

Module Dimensions and Weight

Dimensions (LxWxD)	38.2" x 21.8" x 0.75" (panel + junction box)
Weight	8.2 lbs.

Environmental

	IP67
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• Improving Lives and Increasing Mission Effectiveness •

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