

### Endurance™ 80 Rigid Portable Solar Panel

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

- **Powerful:** Highly efficient module maximizes power to batteries and electronic equipment
- **Lightweight:** No glass and no aluminum frame makes panels easy to lift and transport
- **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
- **Non-reflective:** Maximizes light capture, reduces visual signature



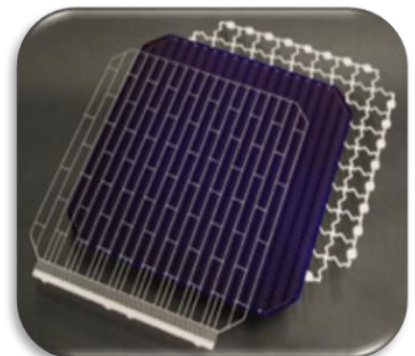
### Merlin™ Interconnect: Superior Electrical Metallization

#### 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 <sup>2</sup> )
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

• Improving Lives and Increasing Mission Effectiveness •

8200 Greensboro Drive, Ste 900  
McLean, VA 22102  
571-999-3482



Website: [www.nishati-us.com](http://www.nishati-us.com)  
Patents: [www.nishati-us.com/patent](http://www.nishati-us.com/patent)  
E-mail inquiries: [Info@nishati-us.com](mailto:Info@nishati-us.com)