

### 80-Watt Rigid, Lightweight, Rugged and Portable Solar Panel

Adaptable to Many Portable and Remote Power Applications  
Easy Carry and Install onto Support Structures, RVs, and More

- **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

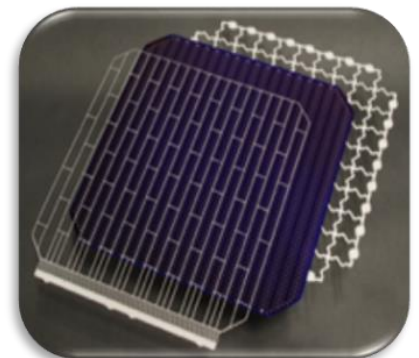


#### Performance Benefits

- 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

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

### Module Power Output

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

### Module Dimensions and Weight

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

### Environmental

	IP67
--	------



2200 E. Williams Field Rd. Ste 200  
Gilbert, AZ 85295  
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)