

Nishati™

Portable • Rugged • Effective
Solar Power

Endurance™ 105 Glass-free Tri-fold Solar Panel

Qualified by the US Military; Part of US Marine Program of Record

Deployed worldwide including in Iraq, Kuwait, Afghanistan, Syria, USA & more

Take this portable, rugged solar panel with you on the road

- **Powerful** – Highly efficient module maximizes power to batteries and electronic equipment
- **Durable** – Glass-free laminate and polymer construction; mechanically robust /thermally effective/electrically efficient
- **Weatherproof** – Protected against dust and water immersion (up to 1 meter depth)
- **Low maintenance** – Non-stick surface resists soiling/wipes clean
- **Non-reflective** – Maximize light capture, reduce visual signature



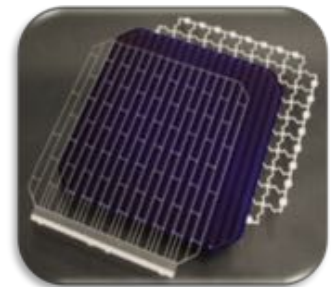
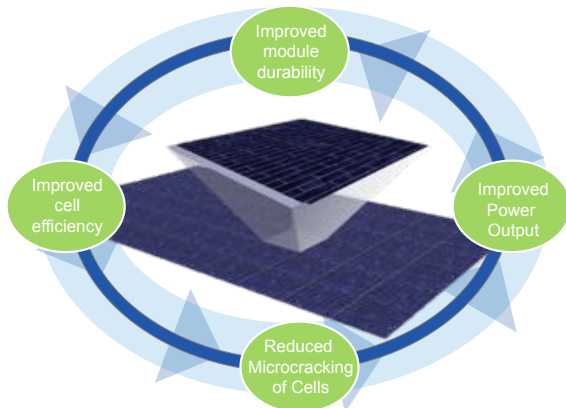
Portable for Easy Carry and Use

- Lightweight, compact tri-fold design, Weighs ~8 lbs
- Folds to about 13.6" x 7.8" x 0.5" & comes with easy carrying case
- Requires minimal surface area to deploy
- Integrated cable/connector stowage

Introducing Improved Endurance™ Solar Panels

Featuring superior Merlin™ interconnect architecture

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



Performance Benefits

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

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Nishati Endurance 105 Specifications	
General Description	
Part Number	218286
PV Cells	Mono-crystalline Silicon
Power Output Connections	Amphenol H4 PV Connector
Limited Warranty	2 years
Module Power Output	
Rated Power (Pmax)	105 Watts (at 25°C, AM1.5, and 1000W/m ²)
Vmp	12.5 V
Imp	8.77 A
Voc	15.9 V
Isc	9.23 A
Maximum System Voltage (DC)	600V
Module Dimensions	
Folded Configuration (LxWxD)	14" x 27.8" x ~0.75" (panel + junction box)
Deployed Configuration (LxWxD)	44" x 30" x 0.5" (panel + junction box)
Weight	8 lbs.
Environmental	IP67



• Improving Lives and Increasing Mission Effectiveness •

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