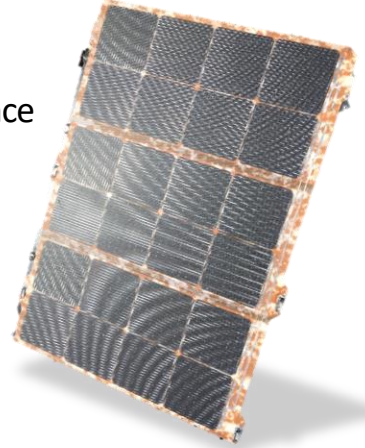


Endurance™ 110 Glass-free Tri-fold Solar Panel

New Improved Version of the U.S. Military-qualified Nishati Endurance 105
Upgraded Power, Lifetime Performance and Durability

- **Powerful:** Designed to maximize performance in expeditionary conditions
- **Durable:** Glass-free; Revolutionary electrical interconnect for lifetime performance
- **Weatherproof:** Protected against dust/water immersion (up to 1 m)
- **Low maintenance:** Non-stick surface resists soiling/wipes clean
- **Non-reflective:** Maximize light capture, reduce visual signature



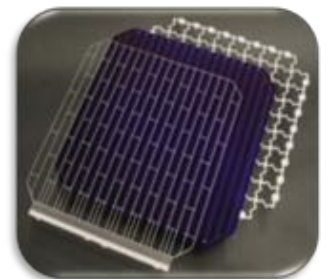
Portable for Easy Carry and Use

- Lightweight, compact tri-fold design, Weighs ~7 lbs
- Folds to ~ 13.6" x 7.8" x 0.5"; comes with easy carry case
- Integrated cable/connector stowage
- Requires minimal surface area to deploy



Featuring Merlin™ Interconnect: Superior Electrical Metallization

- 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



Nishati™ Endurance™ 110

Nishati Endurance 110 Specifications

General Description	
Part Number	218286
PV Cells	Mono-crystalline Silicon PERC with Merlin Interconnect
Power Output Connections	Amphenol H4 PV Connector
Limited Warranty	2 years
Module Power Output	
Rated Power (Pmax)	114 Watts (at 25°C, AM1.5, and 1000W/m ²)
Vmp	13V
Imp	8.8A
Voc	16V
Isc	9.1A
Bypass Diode	Yes
Solar Cell Temperature Coefficient : Power	- 0.375 %/°K
Solar Cell Temperature Coefficient : Voltage	- 0.2943 %/°K
Solar Cell Temperature Coefficient : Current	0.0405 %/°K
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	7 lbs.
Environmental	
	IP67



Improved Ruggedness · Lifetime Performance · Reliability

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Portable • Rugged • Effective
Solar Power

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