



Endurance™ 140F (16.5V) Portable Solar Panel

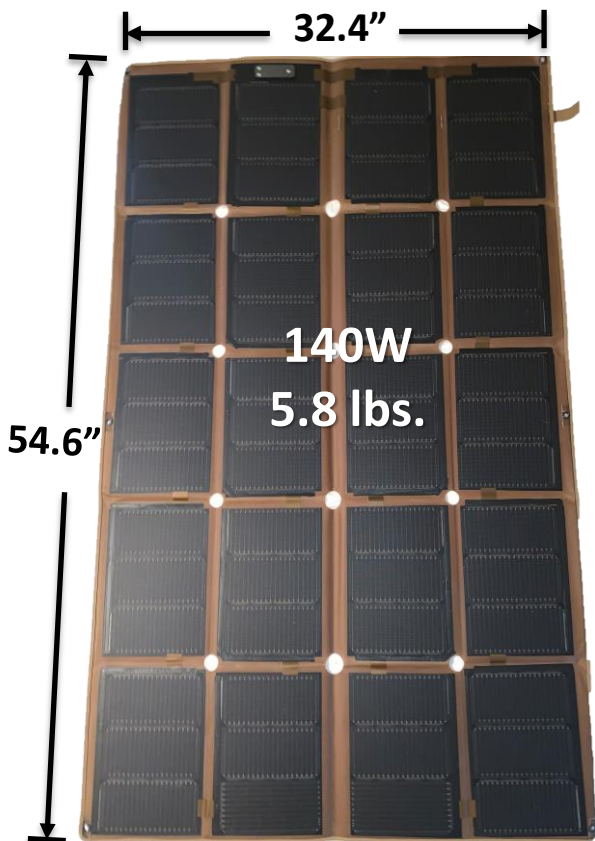
Lightweight Compact Foldable 140-watt / 16.5-volt Solar Panel

Back-packable Power for Individuals and Teams

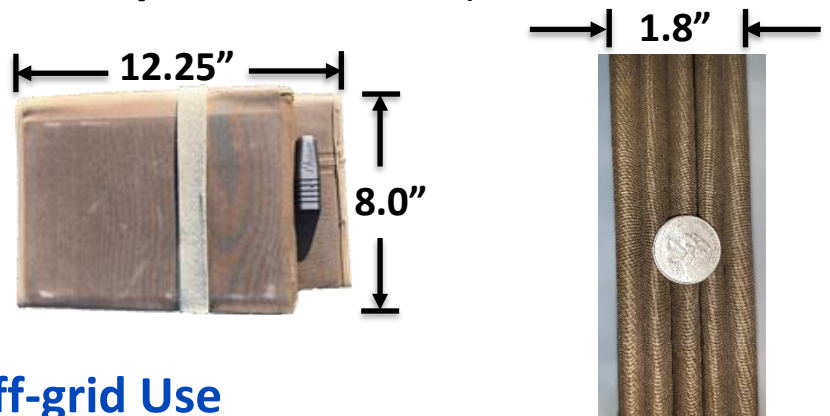
Power and Charge Radios, Sensors, End-user Devices, Batteries

Use with MilSpec or Commercial PV Controllers / Power Managers

Quick & Easy Employment



- **Powerful: 140 Watts** in a small footprint
 - **Best-in-class shade tolerance!**
 - Gang with additional panels for more power
 - Enhanced performance in low angle/diffuse light
- **Simple:** Integrated SAE connector eliminates redundant cable and snag hassle
- **Light & Compact:** Fit in assault pack or ruck



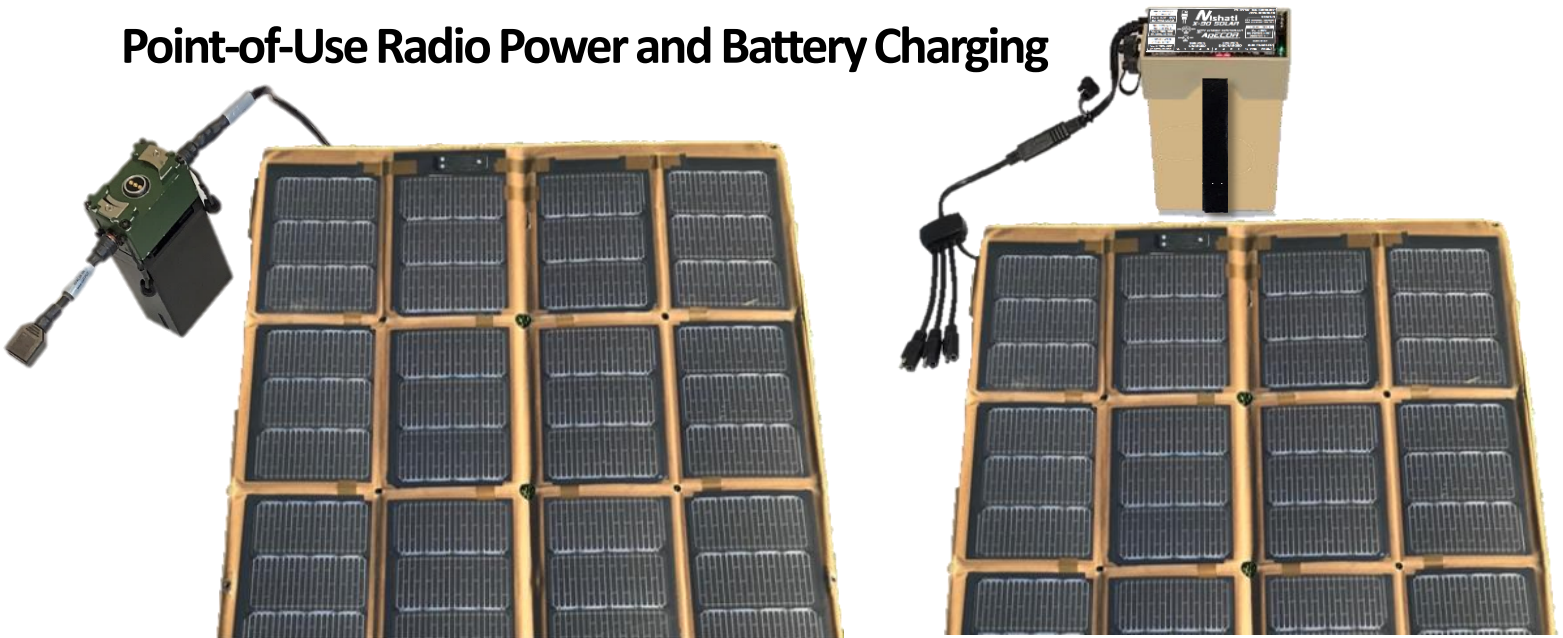
Built Rugged for Military and Off-grid Use in Harsh Conditions

- **Durable:** Glass-free; Revolutionary electrical interconnect for lifetime performance/reliability
- **Weatherproof:** Protected against dust/water immersion (up to 1 m)
- **Low maintenance:** Non-stick surface resists soiling/wipes clean
- **Low visual signature:** Non-reflective surface maximizes light capture and reduces visibility; Complete camouflage surface appearance is optional

Nishati Endurance™ 140F

Nishati Endurance™ 140F Specifications		
General Description		
Part Number	241286	
PV Cells	Mono-crystalline Silicon (mc-Si) PERC (21-23% efficiency)	
Cell Quantity	60 half-cells	
Electrical Interconnect	Merlin™ Interconnect	
Power Output Connections	(1) Integrated SAE 2-pin port (shrouded)	
Limited Warranty	2 years	
Module Power Output		
Rated Power (Pmax)	142 Watts (-1%, +3%)	At Standard Test Conditions: Cell temperature 25°C Air Mass 1.5 Solar Irradiance 1000 W/m ²
Vmp	16.52V (±3%)	
Imp	8.63A (±3%)	
Voc	20.06V (±3%)	
Isc	9.37A (±3%)	
Module Dimensions		
Folded Configuration (LxWxD)	12.25" L x 8.0" W x 1.8" D	
Deployed Configuration (LxWxD)	54.6" L x 32.4" W x 0.75" D (panel + JBox) / 0.12" (panel)	
Weight	5.8 lbs.	
Environmental	IP67 (Dust proof; waterproof to 1m immersion)	

Point-of-Use Radio Power and Battery Charging



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