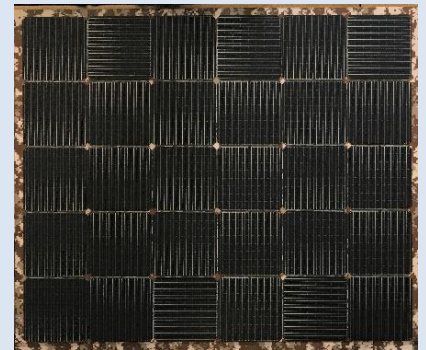


570 Watts of Portable Rugged Solar Power in a Case Military Grade Quality and Performance for Remote Power



- Applies State of the Art Advances in Military Solar Technology
- Simplified Design for Easy Deployment, Pack-up, and Affordability
- Rugged, waterproof case with integrated solar racking

Featuring
Lightweight
High Durability
Endurance™ 140 Rigid Glass-Free
Solar Panels with Merlin™ Interconnect



- Designed for high reliability and Military Standard 810G Survivability
- Tested to 70 MPH wind from all directions
- 2-person lift; 1- or 2-person setup in seconds!
- Up to 8 systems stack on a standard pallet for easy and efficient shipping
- Maximizes power and minimizes deployed footprint (<math><23\text{ ft}^2</math>)



Nishati Expedition™ 570

Expedition 570 Specifications

General Description

| | |
|--------------------|--|
| Part # | 225651 |
| Rated Power | 570 Watts (at 25°C, AM1.5, and 1000 Watts/m ²) |
| Dimensions | Packed: 43.00" L x 38.37" W x 6.75" D Deployed: 76.7" L x 43.0" W |
| Weight | 88 lbs. |
| Warranty | 2 years limited warranty against defective material & workmanship |

Solar Array Details

| | |
|-----------------|---|
| PV Cells | 120 Mono-crystalline Silicon PERC solar cells with Merlin™ Interconnect |
| Power | <ul style="list-style-type: none"> • $I_{MP} = 8.7A$ $I_{SC} = 9.0$ • $V_{MP} = 65.5V$ $V_{OC} = 79.6V$ • Maximum system voltage = 600V DC • Option: parallel/series wiring for $32.7V_{MP}$ & $17.4A_{MP}$ |

Electrical Connections

| | |
|-------------------------------|---|
| Wire Harness Connector | ITT Cannon P/N CA3106F20-23SB (standard) or tailored for customer needs |
| Solar Panel Connectors | Industry Standard H4 Male (H4CMC4D) and Female (H4CFC4D); compatible with MC4 connectors and adaptable to military and commercial solar controllers |

Environmental

| | |
|---|----------------|
| Water and Dust Resistance | IP67 |
| Operating Temperature | - 4 to 140 °F |
| Storage Temperature Limits | - 25 to 160 °F |
| Wind Load Limit From Any Direction | 70 MPH |



System Components

- (4) Nishati Endurance™ 140 solar panels with Merlin™ Interconnect (P/N 226286)
- (1) Rugged transport case with integrated assembly-free solar panel and racking
- (1) 35-foot Power Cable
- (16) Sandbags (empty)

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