



**Nishati  
Power  
Technologies™**

# **Expedition™ 600 Portable Solar Array**

## **600+ 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™ 150  
Rigid Glass-Free Solar Panels**



- 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 (<23 ft<sup>2</sup>)



# Expedition™ 600 Portable Solar Array

## Expedition™ 600 Specifications

### General Description

<b>Part Number</b>	225651B
<b>PV Cells</b>	Mono-crystalline Silicon Interdigitated Back Contact
<b>Dimensions    Kit Weight</b>	Packed: 43.00" L x 38.37" W x 6.75" D   Deployed: 76.7" L x 43.0" W    86 lbs.
<b>Warranty</b>	2 years limited warranty against defective material & workmanship

### Solar Array Power

<b>Rated Power (Pmax)</b>	615 Watts (±3%)	<b>At Standard Test Conditions:</b> <b>Cell temperature 25°C</b> <b>Air Mass 1.5</b> <b>Solar Irradiance 1000 W/m<sup>2</sup></b>
<b>Vmp</b>	52.0V (±5%)	
<b>Imp</b>	11.9A (±5%)	
<b>Voc</b>	61.2V (±5%)	
<b>Isc</b>	12.6A (±5%)	
<b>Efficiency</b>	>21%	
<b>Maximum System Voltage (DC)</b>	600V	

### Electrical Connections

<b>Wire Harness Connector</b>	ITT Cannon P/N CA3106F20-23SB (standard) or tailored for customer needs
<b>Solar Panel Connectors</b>	Industry Standard MC4 connectors with added quick disconnect feature   adaptable to military and commercial solar controllers

### Environmental

<b>Water and Dust Resistance</b>	IP67
<b>Operating Temperature</b>	- 40 to +140 °F
<b>Storage Temperature Limits</b>	- 40 to +160 °F
<b>Wind Load Limit From Any Direction</b>	70 MPH



### Standard Kit Components

- (4) Nishati Endurance™ 150 solar panels (P/N 264286)
- (1) Rugged transport case with integrated assembly-free solar panel and racking
- (1) 35-foot Power Cable
- (16) Sandbags (empty)

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**Portable • Reliable • Rugged**  
**Military Power**

Website: [www.nishati-us.com](http://www.nishati-us.com)

Patents: [www.nishati-us.com/patent](http://www.nishati-us.com/patent)

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