



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 ft²)





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Expedition™ 600 Specifications

General Description

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

Solar Array Power

Rated Power (Pmax)	615 Watts ($\pm 3\%$)	At Standard Test Conditions: Cell temperature 25°C Air Mass 1.5 Solar Irradiance 1000 W/m ²
V_{mp}	52.0V ($\pm 5\%$)	
I_{mp}	11.9A ($\pm 5\%$)	
V_{oc}	61.2V ($\pm 5\%$)	
I_{sc}	12.6A ($\pm 5\%$)	
Efficiency	>21%	

Maximum System Voltage (DC) 600V

Electrical Connections

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

Environmental

Water and Dust Resistance	IP67
Operating Temperature	- 40 to +140 °F
Storage Temperature Limits	- 40 to +160 °F
Wind Load Limit From Any Direction	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

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Patents: www.nishati-us.com/patent

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