

Nishati Expedition™ 450C Portable Solar Array

458-Watt Solar Power Packaged into Single Transport Case

Commercial Solar Array based on Nishati's Expedition 450M Military Portable Solar Array
Same robust materials and construction; a few less features for a more affordable solar array



458-Watt Portable Solar Array



Package into rugged transport case

- Rugged, lightweight solar array - packages into small volume and generates power in minutes
- Four glass-free tri-folding solar panels easily mount onto one-piece roll-able stand
- Designed to maximize solar energy capture and minimize weight, size, and complexity
- Compatible with most solar controllers and used in systems offering 400 to 5000 Watts

Features

- Power: 458 Watts
- Nishati Endurance™ 110 Solar Panels
 - Panel efficiency: 19.5%
- Weight: <44 lbs. (Solar array)
<74 lbs. (Full kit in case)
- Case dimensions: 48" x 17" x 9" (4ft³)
- Deployed foot print <4 ft. x 10 ft.
- Solar tilt angles of 0° and 35°*
- Set up or package in < 5 minutes

- Integrated Rack carrying handles along with optional soft case or back-pack for panels and accessories
- Spread load for tactical vehicle and aircraft transport
- Spread-load for man-pack:
 - Rack <16 lbs.
 - Panels 6.6 lbs.



*Alternate angle available on request

Nishati Expedition™ 450C

#	Components
1	Four, Tri-fold Solar Panels
2	Rollable Stand with Canvas Cover and Quick Look Instructions
3	Rugged Transport Case
4	Rollable Stand with Pre-roll for easy packaging
5	Collector Cable
6	12 Sandbags & 10 Test Stakes (rolled up)
7	Solar Panel Leads with Easy Connect/Disconnect Fittings



New Endurance™ 110 Tri-fold Solar Panels

Improved Version of the U.S. Military-qualified Nishati Endurance™ 105 Tri-fold Solar Panel
Upgraded Power, Lifetime Performance and Durability

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



8200 Greensboro Drive, Ste 900
McLean, VA 22102
571-999-3482



Website: www.nishati-us.com
Patents: www.nishati-us.com/patent
E-mail inquiries: Info@nishati-us.com