Nishati Power Technologies™

Outpost™ Solar Generator (OSG) 600

Plug & Play Portable Solar Generator | 600-Watt Solar Capacity





Fully-Integrated Solar Power & Charging in a Transport Case



Integrated Solar Racking & Plug & Play Connections Enable Rapid Deployment

Key Features

- 28.8V (or 14.4V) DC / 500 to 550W Output
- System recognizes 12V or 24V battery
- User-selectable battery chemistry: Li-ion or AGM/Lead-acid
- Single-point Solar Array Interconnection
- NATO STANAG 4074 Export Power Connection
- Man-movable & Vehicle-Transportable
- Easy Setup/Pack-up for Mobile & Transitory Use
- Scalable | Connect multiple systems
- Mil-Std-810H, IP67, 70+ mph wind rated

Applications & Uses

- Stand alone battery charging station for communications, robot, UAS & sensor batteries
- Power vehicle “hotel” loads for “silent watch”
- Charge 12V or 24V Lead-acid or Li-ion 6T vehicle batteries directly or through NATO connection
- Power 12V-30V DC/Battery-dependent systems: mobile fire control, persistent surveillance, remote sensors, communication relay, etc.
- Pair one or more OSG 600 with Outpost™ Hybrid Generators to form 2kW to 10kW Hybrid Power Systems

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Outpost™ Solar Generator 600 Information and Specifications		
Part Number / NSN	258651 / 6117017175033 (Basic Kit)	
Basic Kit Components	**(1) Outpost™ Solar Generator 600 | P/N 258650:** • Solar Array, OSG 600 (P/N 258649 / NSN 6117017243686) • Export Power and Charging Module, OSG 600 (P/N 88004 / NSN 6130017243669) • Transport Case Assembly, OSG 600 (P/N 258278 / NSN 6130017242777) • Cable, Solar Array Interconnect, 6-foot (P/N 81007 / NSN 6150017242744) **(1) Cable, Mini-NATO to Mini-NATO, 15-foot, 2-10AWG | P/N 913002 / NSN 5995017237189** **(16) Sandbags (P/N 217100 Item 6 / NSN 8105001429345)** **Optional Accessories:** • Cable, Mini-NATO to M8 Ring terminals, 25-foot (P/N 91033 / NSN 6150017243683) • Cable, Mini-NATO to Alligator clamps, 25-foot (P/N 91034 / NSN 6150017253991) • MIL-PRF-32565, 24V Li-Ion 6T Battery (2.7 kWh)	
Warranty	2 years limited warranty against defective material & workmanship	
System Power	**Solar Array**	Power: 615 Watts (at STC: 25°C, AM1.5, and 1000 Watts/m^2) Vmp = 52.0V | Voc = 61.2V | Imp = 11.9A | Isc = 12.6A Efficiency: >21%
	OSG 600 Export Power and Charging Module	Solar Optimization – High Speed Maximum Power Point Tracking Physical controls – Battery Type/Charge Enable/Disable Switch Visual Indicators – Solar Output & Battery State of Charge LED Scales Efficiency > 95% (@ 52V IN, 28.8V / 600W OUT, 25°C ambient)
	Solar Input Power	Capacity: 660W (at -25.6°F) / 550W (at 95°F) / 520W (at 125.6°F) Maximum Voc: 100V
	DC Export Power	500W (typical); 660W (peak) 9-14.4V (12V charging) | 18-28.8V (24V charging) | 30A (max)
	Supported Battery Types	12V and 24V Lead-acid (all types) / 24V Li-ion 6T (user-selectable)
	Protection Features	Over temperature, Power limiting, Input overvoltage, Output reverse polarity, reverse current and transient (overload / overcurrent) protection, Output disable (manual switch)
	Connections	**Solar Interconnect Receptacle** – Anderson Power Pole, 75A **Export Power Receptacle** – NATO STANAG 4074
Basic Kit Dimensions & Weight	**Transport Configuration**	43.00”L x 38.37”W x 6.75”D
	Deployed Configuration	76.7”L x 43.0”W (35° deployment angle)
	Weight	102 lbs.
Environmental	Mil-Std-810H | IP67 | 70 mph Wind Load Operating Temp: -25.6°F to +140°F | Storage Temp: -40°F to +160°F	

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Portable • Reliable • Rugged
Military Power

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