

NOVA Power Overview








Unsurpassed Ruggedized Power Supplies, Protection & Battery Backup for Mission-Critical Systems

NOVA Power Solutions has specialized in providing high quality, reliable and rugged custom-tailored continuous power quality protection solutions to global defense and industrial markets since 1988. NOVA's power conditioners, converters, distribution and battery backup solutions provide customers a wide range of power protection and backup alternatives.

NOVA's rugged uninterruptible power systems are tailor-made for the world's harshest environments and designed to meet some of the toughest standards for shock, vibration, and electro-magnetic interference (EMI), including MIL-STD compliance. NOVA's rugged products are well suited to shipboard, tactical military and other extreme operating environments, including the arctic, the desert, and on/under the sea.

NOVA Power Solutions is focused on solving problems created by the generation, distribution and use of electrical energy. NOVA's power-conditioning solutions eliminate 100% of distributed electrical system anomalies, increasing system reliability and electrical generation efficiency. NOVA's power-conversion solutions optimize load side electrical efficiency, further enhancing reliability and allowing for the use of a wide spectrum of electronic solutions to meet your requirements.

For more than 28 years, NOVA Power Solutions has been providing shipboard, rack-mount, bulk-head and deck mount uninterruptible power supplies and battery backup modules to US and allied militaries for use in mission-critical C4I, Engineering Plant Controls and Combat Systems. The reliability and ruggedness of NOVA's power protection units and battery backup modules make them ideal solutions also for the following non-military critical applications:

-  Power Solutions to support Continuous Industrial Operations
Critical Infrastructure Protection Systems and Parameter Surveillance Applications
-  Urban Security and Public Safety Systems
Emergency Relief, Disaster Management and Critical Communications Systems
-  Highway and urban traffic signalization, notification and warning systems
Intelligent Traffic Systems
Rail systems signalization applications
-  Advanced Fire Trucks (Fire Engines) and Mobile Command Centers,
Riot Control Vehicles
-  Mobile Internet Access Applications in Passenger Ferries, high speed trains, etc.
Power Plant Automation and Instrumentation Control Systems
-  Communications and Control Systems for Refinery Process and Off-Shore Systems
-  Medical analysis, diagnostics and other precision medical devices

UNPARALLELED SERVICE AND SUPPORT

NOVA Power Solutions products and solutions protect mission-critical systems worldwide for applications where "up time" and reliability are absolute and unconditional. Reliability is built into the foundation of our product design. We deliver cost savings by ensuring customer processes operate without interruption.

NOVA Power Solutions' philosophy is to work side by side with the customer and project team to ensure the delivered solution fully meets strict project/program requirements. NOVA has a deep understanding of logistics and supply-chain management, providing technical support and spare parts throughout the entire life-cycle of delivered products. NOVA's award-winning customer service and technical support to system integrators, partners and end-customers is leading the industry, lowering system cost of ownership.



Technology Highlights



NOVA Power Difference

NOVA Power Solutions is focused on solving problems created by the generation, distribution and use of electrical energy. Recent studies indicate that greater than 80% of electronic systems failures are power supply related. Greater than 95% of power supply failures are directly or indirectly related to the power quality of the primary electrical system.

NOVA Power Solutions power-conditioning solutions eliminate 100% of distributed electrical system anomalies, increasing system reliability and electrical generation efficiency.

NOVA Power Solutions power-conversion solutions optimize load side electrical efficiency further enhancing reliability and allowing for the use of a wide spectrum of electronic solutions to meet your requirements.

30 years of successful contract performance; large install base of over 50,000 UPS's deployed for various applications worldwide.

Customer-driven, consultative sales and service; customizable products to meet your specifications.

Deep understanding of logistics and supply-chain management; support product through it's entire life-cycle.

NOVA Power Solutions power-distribution solutions ensures the correct energy is available at the right place when needed.



Additional Information

NOVA Power Solutions is powering critical applications in harsh environments when failure is not an option!

Select Programs:

US Navy

- CANES – Consolidated Afloat Network System
- CSRR – Common Sub Radio Room
- ECDIS – Electronic Chart Display System
- GBS – Global Broadcasting Service
- GCCS-M – Global Command and Control Systems Maritime
- IVN – Interior Voice Networks
- NTCSS – Navy Tactical Command Support System
- SCI Networks
- SSEE – Ship's Signal Exploration Equipment

US Army

- Grey Eagle UAV (TALS)
- I-HITS – Initial-Home Station Instrumental Training System
- Portal Shield – CBRN Detection System

U.S. Air Force

- TPS-77 – Tactical Transportable Radar System
- IBSS – Integrated Base Defense Security System
- FPS2/3 – Force Protection Security System
- Predator UAV Maintenance Station

U.S. Marine Corps

- ETASS – Enhanced Tactical Automated Security System

Homeland Security

- USCG: ICGS Deepwater Program- Internal and External Communications
- USCG: Engine Governor Control System
- USCG: ECINS – Electronic Charting and Integrated Navigation System

Turkish Navy

- MILGEM
- X-Band SATCOM
- Ku-Band SATCOM
- LST

Select Industry Reach

- Defense
- Oil & Gas
- Homeland Security
- Mining
- Port Authority
- Transportation

Select Global Reach

- Turkey
- Bahrain
- Japan
- Mexico
- Israel
- Taiwan
- Canada
- Brazil
- Australia
- Germany

Product Series	Power Conditioning	Battery Backup	19" Rackmount Avail.	Input Voltage	Output Voltage	Availability Capacity	Height Range	Width Range	Length Range	Available Connectors
48 VDC Series	x	✓	✓	92-155VAC 42-60VDC	54VDC	2800VA/2400W	1¾"	17"	22"	MIL-SPEC
Battery & Battery Backup	Please ask for additional information on Battery and Battery Backup.									
Hot Swappable Series	✓	✓	✓	80-265VAC (22-32VDC*)	120VAC	1250VA/1000W 2400VA/1680W 2800VA/2400W	1¾" - 5 ¼"	17" - 19"	17" - 22½"	MIL-SPEC
Industrial Series	✓	✓	✓	80-150VAC	120VAC	1000VA/800W 2000VA/1600W 3000VA/2400W	1.7" - 5.25"	17" - 19"	14" - 24"	NEMA
NP Series	✓	✓	✓	85-155VAC	120VAC	560VA/400W 1250VA/1000W	1.7"	11" - 15"	8.5"	NEMA
SRN Series	✓	✓	✓	92-155VAC	120VAC	1500VA/1050W 2000VA/1400W	5¼"	19"	21"	NEMA
SRNDT(I) & UPR Series	✓	✓	✓	92-250VAC	120VAC	1250VA/875W 1500VA/1050W 2000VA/1400W 2400VA/1680W 4000VA/3360W	5½" - 7"	19"	23" - 25"	NEMA, CPC, MIL-SPEC, Terminal Block
SRNSL (I,X) Series	✓	✓	✓	92-155VAC	120VAC	2500VA/2000W 1250VA/1000W 2800VA/2400W	3½"	19"	20" - 25"	NEMA, MIL-SPEC
Tower Mount Series	✓	✓	✓	80-265VAC (20-32VDC*)	115-120VAC (24,28VDC*)	1250VA/1000W 2000VA/1400W	9" - 14"	7"	21"	NEMA, MIL-SPEC, Terminal Block

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BAE SYSTEMS



GENERAL DYNAMICS
Electric Boat

HAVELSAN Honeywell

LOCKHEED MARTIN

NORTHROP GRUMMAN

Raytheon



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