

Industrial Series

Semi-Rugged

Ruggedized Military Units Customized for Industrial Applications

Small, 1U, 8.5"x11" Form Factor Options Available

The Industrial Series UPS combines affordability with enhanced features designed to withstand shock and vibration offering a higher level of performance than typical Commercial-Off-The-Shelf (COTS) products.

FEATURES:

High Performance

Input power factor of 0.9 provides higher performance, allowing a small form factor, which frees rack space for computers, servers and other critical electronics.

Vertical or Horizontal Orientation

Universal mount case enables system to be installed as floor-standing tower or rack mounted for a range of applications as required.

Emergency Power Off (EPO) Capability

The EPO function ensures safety of equipment and personnel. Provides the ability to shut down the system, to secure and protect users and down stream equipment in emergency situations.

Industrial Design

Conformal coated circuit cards for improved performance in humid conditions and robustly mounted components offer advancements over standard COTS UPS devices.

True On-line Double Conversion

True on-line, double conversion continually creates a true sine wave AC output from a DC bus; protecting sensitive equipment from surges, spikes, brownouts, blackouts, and noise.

SNMP Communication

This feature enables remote monitoring and controlling of the UPS in real time via a LAN system or web browser. This increases safety of users in combat, as well as other demanding applications, such as oil and gas and mining.

Smart Battery Replacement

Users can quickly and easily assess charge level and operability of battery pack, as well as receive warning, when battery replacement is required.

Self-Testing Feature

Remote applications require easy, real-time troubleshooting. Built-in self-diagnostic function identifies what is needed to maintain continuous power.



SELECT CAPABILITIES:

- Based on appropriate unit design may include filtered cooling air
- Ideal for a range of applications
- Capable to withstand shock and vibration
- Wide ambient temperature range
- Ideal for semi-rugged applications that do NOT require MIL-STD compliance

NOVA

POWER SOLUTIONS, INC.



Product Series Datasheet

BENEFITS:

- Higher level of performance than standard COTS products
- Affordable solution for “Semi-Rugged” applications
- Ideally suited to power instruments and communication equipment for non-military and industrial applications

Sold exclusively through:
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ELECTRICAL								
Power Factor Corrected	IAW MIL-STD-1399, Section 300B							
Input Nominal Voltage ¹	115VAC (100, 110, 115, 117, 120, 125) 230VAC (220, 230, 240)							
Input Frequency	45-70Hz							
Output Voltage	115VAC (100, 110, 115, 117, 120, 125) 230VAC (220, 230, 240)							
Output Frequency	60Hz (standard), 50Hz optional							
Harmonic Distortion	5% Max. THD (@80% Non-linear load)							
Dynamic Response	±4% for 100% Step Load Change, 500µs Recovery Time							
Overload	110% for 10 minutes; 200% for 50ms							
Efficiency	85% (@ full load)							
UPS Protection	Input and Output Short Circuit; Input and Output Overload; Low-Voltage Battery Cut-off							
ENVIRONMENTAL								
Operating Temperature	32°F to 122°F (0°C to 50°C)							
Humidity	0% to 95% Non-condensing							
Altitude	Sea Level to 10,000 Feet							
MECHANICAL								
Cooling	Low Velocity, Temperature Controlled Reversible Forced Air							
Installation	Adjustable Front Faceplate							
Battery	Sealed Rechargeable Lead-Acid (non-hazardous, non-spillable)							
Input	NPC1000KUL(N) – Tethered cord with 5-15P							
	NPC2000KUL(N) - Tethered cord with 5-20P							
	NPC3000KUL(N) – Terminal Block							
	CT560 - IEC							
	CT1500- IEC							
Output ¹	CT2000- IEC							
	CT2400 - IEC							
	NPC1000KUL(N) – 4pcs 5-15R							
	NPC2000KUL(N) - 4pcs 5-20R							
	NPC3000KUL(N) – 4pcs 5-20R							
Output ¹	CT560 2pcs 5-15R							
	CT1500 4 pcs 5-15R							
	CT2000 6 pcs 5-20R							
	CT2400 6 pcs 5-20R							
STANDARDS								
	Designed to meet UL 1778							
CONTROLS AND INDICATORS OPTIONS								
Indicators	AC Input, Inverter On, Bypass On, On Battery, Fault, Cold Start, AC Output, Replace Battery							
Front Panel Controls	System On/Off, AC Input On/Off, Cold Start, Fault Silence, Battery Test, AC Output On/Off							
Audible Alarms	Utility Interrupt, Inverter Failure, Overload, Low Battery, Self-test							
RS232 Data Interface (DB-25F):	Full Interactive, Remote Computer Monitoring and Control of UPS Functions. Compatible with Megatech & SEC protocols							
Open-Collector (DB-25F):	Allows Alarm Function Monitoring							
Optional SNMP Interface (RJ45):	Allows Full Control and Monitoring Over Network Connection. Compatible with OpenView™, NetView™ and CA Unicenter™ & Other UPS Software							
OPTIONS								
Others Please contact us to discuss all options								
Part Number	Nominal Apparent Power (VA)	Actual Output Power (W)	Input Voltage	Output Voltage	Internal Battery?	Can provide External Battery Backup?	Dimensions (H x W x D)	Approximate Weight (lbs)
CT560	560	400	115VAC	120VAC	No	Yes	1.7" x 19" x 22"	35
CT1250	1250	875	115VAC	120VAC	Yes	Yes	5.25" x 19" x 24"	79
CT1500	1500	1050	115VAC	120VAC	Yes	Yes	5.25" x 19" x 24"	79
CT2000	2000	1400	115VAC	120VAC	Yes	Yes	5.25" x 19" x 24"	92
CT2400	2400	1680	115VAC	120VAC	Yes	Yes	5.25" x 19" x 24"	92
NPC1000KUL(N)	1000	800	115VAC	120VAC	Yes	Yes	3" x 17" x 14"	35
NPC2000KUL(N)	2000	1600	115VAC	120VAC	Yes	Yes	3" x 17" x 18"	47
NPC3000KUL(N)	3000	2400	115VAC	120VAC	Yes	Yes	3" x 17" x 23"	65
Input and output can be modified to the following ranges: 115VAC (100, 110, 115, 117, 120, 125) 230VAC (220, 230, 240).								