Delta N Series UPS

Backup power for small yet critical applications

Single Phase Futuristic UPS System For SMEs & Corporates

1 KVA to 3 KVA

Delta N Series is a true on-line double conversion, smart and high performance UPS designed for small and medium mission critical applications. This light-weight, plug-n-play system with intelligent self diagnostic functions is available in two variants; built-in battery and extended runtime.

Features & Benefits

Microprocessor Controlled, High Frequency PWM Technology based True Online Double conversion UPS System with IGBTs at Inverter stage, provide pure Sinewave output with high reliability and efficiency

Input Power Factor Correction up to unity reduces input current resulting in lower electricity bills and minimizes harmonics making it truly Generator compatible.

High AC to AC Efficiency results in lower running cost, quieter operation and lesser load on Air Conditioning making it a truly green UPS.

Widest Input Voltage Range to operate on mains mode at voltages as low as 130V to provide conditioned supply during long Brownout conditions. Batteries are used only when absolutely necessary, maximizing available backup time & extending battery life.

Extended battery runtime up to 4 hours as standard. Scalable up to 24 hours for remote and unattended applications.

UPSentry® Network shutdown software through intelligent RS-232 communication interface provides real time updates on electrical parameters, graceful unattended shutdown of multiple Servers and Workstations.

SNMP Management Capability (optional); SNMP compatibility provides complete remote monitoring and control of the UPS. In the event of an extended power outage, it can command an unlimited number of systems to shut down sequentially. Enables you to monitor and control remote UPSs from a Web browser or industry standard Network Management System.

Smallest Footprint our global R&D centers have developed a futuristic design using advancements in micro-computing techniques & power devices delivering the smallest footprint.

Delta achieved the number 1 position in merchant power supply sales worldwide for 2005 in OEM AC-DC Power Supply and Telecom Power categories*

* Micro-Tech Consultants

Delta N Series UPS: 1 KVA to 3 KVA

Delta N Series Applications:

- Small Office Network Applications
- Network Devices: Hubs, Routers, Bridges
- Remote Telecommunications Units
- Office Telecommunications Systems
- Voice Mail and E-mail Servers
- Bio Medical Test and Diagnostic Equipments
- Engineering Network Servers
- Process Automation & Control Equipment
- Mission Critical LAN & WAN Servers etc..

Delta Energy Systems (India) Pvt. Ltd., DES India, is a 100% subsidiary of Delta Energy Systems AG; Switzerland, part of US $ 3.8 Billion Delta Group. Delta is a leading world class provider of Power Management Solutions (World No.1 in switching power supplies), IT, Telecom, Consumer Electronics Components, LCD TV's, Projectors, Automobile Components, AC-DC drives for process industry, Networking and Wireless solution.

DES India is responsible for developing business in South Asian Region and is also recognized as the **"Centre for technical Excellence"** for South Asia. Delta offers custom designed Power Solutions. These solutions are designed for varied applications, foremost being the growing telecom applications. These state-of-the-art customized solutions are backed by a reliable and efficient service support. Delta India has impressive installation base with regional support centres all over India and SAARC region.

Delta UPS Range

J:	1 KVA to 3 KVA
J:	7 KVA to 11 KVA
H:	15 KVA to 30 KVA
NT:	20 KVA to 3200 KVA

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Specifications & Performances

	Model	N1K	N2K	N3K
Capacity		1 KVA / 700W	2 KVA / 1400W	3 KVA / 2100W
Input	Rated Voltage:	230 VAC		
	Voltage Range:	175 - 280 VAC (Full Load), 130 - 175 VAC (50%-100% Linear De-rating)		
	Rated Frequency:	50 / 60 Hz		
	Frequency Range:	40 - 70 Hz		
	Power Factor:	> 0.99		
Output	Rated Voltage:	230 VAC		
	Frequency:	50 / 60 Hz (Auto Select)		
	Voltage Regulation:	± 2%		
	Frequency Accuracy:	± 0.05 Hz (Free Running)		
	Wave Form:	Pure Sine Wave		
	Overload Capacity:	~105%± 3% continuous, ~125± 5% 3 Minutes, ~150± 5% 30 Seconds, > 150% 0-2 Seconds		
	Crest Factor:	3:1		
	Efficiency:	~ 90%*		
Battery	O/P Receptacles:	IEC320-C13X8	IEC320-C13X4 IEC320-C19X2	IEC320-C13X8 IEC320-C13X2
	Battery Voltage:	36 VDC	72 VDC	72 VDC
	Battery AH:	7AH	7AH	9AH
	Battery Type:	Sealed Maintenance Free Lead Acid		
User Interface	LED Status:	On-Line, Bypass, On-Battery, Overload, Battery Low, Replace Battery, Fault, Battery Active Level, Load Active Level, Battery Level Meter, Load Level Meter (Mimic Display)		
		Buzzer		
	Software (DB9):	Standard RS232		
	SNMP:	Not Available	Internal (Optional)	Internal (Optional)
Environment	Noise (At 1 Meter):	45 dBA	45dBA	47dBA
	Operating Temperature:	0 ~ 40˚C / 32˚F ~ 104˚F		
	Ambient Temperature (Storage):	-20˚C ~ 40˚C / -36˚F ~ 104˚F		
	Humidity:	5 - 95% (Non Condensing)		
	Operating Elevation:	0 - 3000 Meters		
Safety Approvals		EN 62040-1-1, EN 62040-2 Class A, Vibration, Shock and Drop (Non Operational)		
Others	Battery Start:	Yes	Yes	Yes
	Automatic Bypass:	Available	Available	Available
Appearance	Dimension (WxDxH):	140x366x242	140x425x373	140x425x373
	Weight (Built-in Batteries):	~17 Kg	~33.5 Kg	~33.5 Kg
	Weight (Built-in Charger):	~9 Kg	~16.5 Kg	~16.5 Kg

Back Panel

Display Panel

*Under ideal load & line conditions

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