

## E Series NV Uninterruptible Power Systems

*Reliable Power Protection for Today's Computing Environments*



The E Series® NV line interactive uninterruptible power system (UPS) provides affordable power protection for your personal computer and peripherals. While packed with valuable features such as modem protection and plentiful power receptacles, the compact size is ideal for limited office and home working spaces.

### Product Snapshot

**Power Rating :** 400, 600, 800, 1000, 1400, 2000 VA tower models

**Voltage :** 162 to 290Vac (high voltage)

**Frequency :** 50/60 Hz (auto-sensing)

**Technology :** Voltage Regulation



### Features

- Automatic Voltage Regulation (AVR) stabilizes fluctuating power sources
- Microprocessor control design ensures high reliability
- Up to six receptacles, allowing easy equipment connection
- User replaceable batteries allow easy maintenance
- Start-on-battery provides portable power capability
- WINPOWER software monitors power conditions and gracefully shuts down computer applications prior to battery depletion
- Data surge protection protects phone, modem and internet connections
- Intuitive LED indicators display UPS status



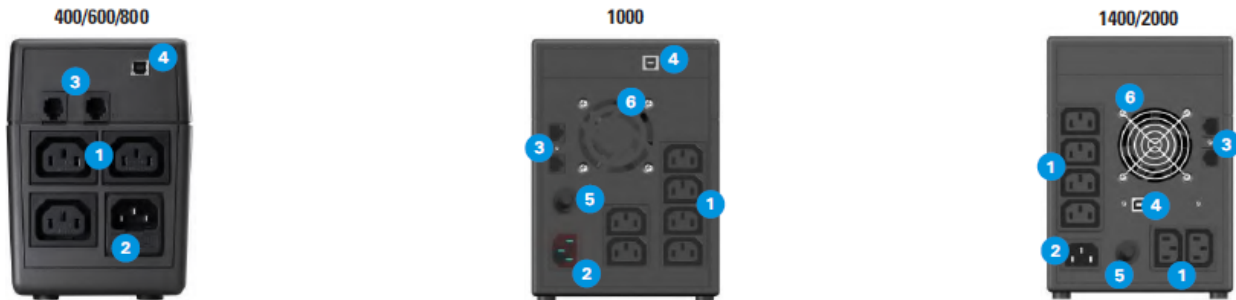
*Powering Business Worldwide*

**E SERIES NV UPS TECHNICAL SPECIFICATIONS - FOR HIGH AND LOW VOLTAGE MODELS**

Model/Watts	E Series NV 400/240	E Series NV 600/360	E Series NV 800/480	E Series NV 1000/600	E Series NV 1400/840	E Series NV 2000/1200
Model Numbers (High Voltage)	ENV400H	ENV600H	ENV800H	ENV1000H	ENV1400H	ENV2000H
Technology	Line Interactive with Automatic Voltage Regulation					
<b>Input / Output</b>						
Input Voltage Window (HV)	170-280			160-280	166-280	
Output Voltage on Battery	230V (High Voltage Models)					
Frequency	50/60Hz, auto-detection					
Data Line Protection	Input / Output jacks included for Telephone / Modem / Internet Line surge protection					
Output receptacles (High Volt)	4 ea, IEC style (1 output cable included)			6 ea, IEC style (1 output cable included)		
Input Connection (High Volt Models)	Detachable 1.8M IEC input cable (cable included)					
<b>Battery</b>						
Load						
100W	10	18	22	35	45	45
120W	7	14	17	-	-	-
200W	-	-	8	14	25	25
400W	-	-	-	6	10	10
600W	-	-	-	-	4	5
Start-On-Battery	Unit can be started without being connected to AC utility power -- allows for portable power source					
<b>User Interface</b>						
Visual	1 ON / OFF button, 1 indicator LED			1 ON / OFF button, six indicator LED's, including load level		
Audible	Five audible alarms indicate operating modes					
<b>Communications / management</b>						
Power Management Software	WINPOWER power management software, downloadable via internet					
Connection Type	USB port, with included USB cable					
<b>Approvals</b>						
CE marking (High Voltage Models)						
<b>Dimensions and weights</b>						
Dimensions (high voltage models)	140 x 100 x 330 mm			205 x 145 x 385 mm		
Weight (high voltage models)	5 kg	6 kg	6.5 kg	9.6 kg	10.5 kg	10.6 kg

**NV REAR PANEL**

1. Output Receptacles    2. AC Input    3. Modem Surge Protection    4. USB Communication Port    5. Circuit Breaker    6. Cooling Fan



\*Battery backup time is approx figure. Battery backup is proportional to number of power cycles and few other factors. Hence the battery time can vary to large extent based on the conditions.

For more product information please contact



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### E SERIES DX BATTERY RUNTIME CHART

	1000	2000	3000	6000	10000 1:1	10000 3:1	15000 3:1	20000 3:1
Battery Runtime 1/2 load	14min	31min	16min	20min	16min	External bat	External bat	External bat
Battery Runtime Full load	7min	11min	> 5min	8min	> 5min	External bat	External bat	External bat

\*Battery backup time is approx figure. Battery backup is proportional to number of power cycles and few other factors. Hence the battery time can vary to large extent based on the conditions.

### E SERIES DX UPS TECHNICAL SPECIFICATIONS - HIGH VOLTAGE MODELS

Model Numbers/Watts	E Series DX 1000/700	E Series DX 2000 HV/1400	E Series DX 3000/2100	E Series DX 6000/4200	E Series DX 10000 1:1/7000	E Series DX 10000 3:1/7000	E Series DX 15000 3:1/10500	E Series DX 20000 3:1/1400
High Volt - Standard Version	EDX1000H	EDX2000H	EDX3000H	EDX6000H	EDX10000H	N/A		
High Volt - XL Version External Battery	EDX1000HXL	EDX2000HXL	EDX3000HXL	EDX6000HXL	EDX10KHXL	EDX10KHXL31	EDX15KHXL31	EDX20KHXL31
<b>Technology</b>	On Line Double Conversion IGBT with Micro-controller							
<b>Input / Output</b>								
Nominal Input Voltage	220V			220V		380 Vac three-phase		
Input Voltage Window	122 to 300V (High Voltage Models)			122V to 300V (High Volt)		20% / -25%		
Nominal Output Voltage	220V			220V		220V		
Output Voltage on Battery	220V			220V		220V		
Frequency	50/60Hz, auto-detection							
Data Line Protection	Input / Output jacks included for Telephone / Modem / Internet Line surge protection					N/A		
Output receptacles	4 ea, IEC style					Hard Wired		
Input Connection (High Volt Models)	Detachable 1.5M IEC input cable (cable included)				Hard Wired			
<b>Battery</b>								
Battery Quantity (standard model only)	3	8	8	20		User-Supplied External Battery		
Charge Capacity (standard model only)	8 hours to recover 90% capacity					User-Supplied External Battery		
Battery Monitoring (standard model only)	Battery Replacement indicator					User-Supplied External Battery		
Start-On-Battery (standard model only)	Unit can be started without being connected to AC utility power -- allows for portable power source					User-Supplied External Battery		
<b>User Interface</b>								
Visual	Operation on mains, battery, inverter, bypass and load/battery-charging levels							
<b>Alarm and Controls</b>								
Audible and Visual Alarms	Battery Operation Mode, Low Battery, General Fault, Overload, On Bypass							
Control	Two buttons for On/Off, and Alarm Silence							
<b>Communications / management</b>								
Power Management Software	WINPOWER power management software, included on CD							
Connection Type	Standard RS232							
SNMP Interface	Optional SNMP card							
<b>Environment</b>								
Operating Temperature	0°C ~ 40°C							
Humidity	<95%							
Noise Level	<45dB (LV 1K-1.5K) / <50dB (others)		<55dB		<60dB			
<b>Standards</b>								
Certification	CE, UL (Low Voltage: 1K-3K only), ISO 9001							
<b>Dimensions and weights W x H x D mm</b>								
Dimensions	145x200x400	145x200x465	192 x 340 x 460	260 x 717 x 570				
Weight (High volt models) Kg	14 (XL: 7)	32 (XL: 15)	35.5 (XL: 16)	84 (XL: 35)	93 (XL: 38)	(XL: 39)	(XL: 55)	

\*Battery backup time is approx figure. Battery backup is proportional to number of power cycles and few other factors. Hence the battery time can vary to large extent based on the conditions.

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