



# NH Series

## Uninterruptible Power Supply 15-80KVA

### Features

- Power Rating: 15/20/30/40/60/80 KVA.
- N+X parallel redundancy to increase the reliability and flexibility.
- High input power factor ( $pf > 0.99$ ) and low harmonic distortion ( $iTHD < 3\%$ ).  
Savings in installation cost and reductions in pollution back feed into upstream power system.
- Overall high efficiency ( $> 94\%$ ), saving the operating cost.
- Easy parallel link (up to 4 units) without extra hardware needed to expand the system capacity.
- Built-in manual and static bypass switch for maintenance.
- Built-in SRAM, recording maximum 500 real-time event logs.
- Redundant auxiliary power and control circuit. Double insurance of the performing reliability.
- Scheduled battery test and battery replacement warning.
- Local and remote emergency power off function (LEPO and REPO).
- Compatible with generator installation.
- Double conversion and IGBT technology.
- User-friendly LCD display and mimic status LED indicators.
- Extended battery cabinet is available to get the desired backup time.

### Applications

- Data/Call Center
- Telecommunications
- Medical
- Security
- Semiconductor
- Chemical



## Technical Specifications

Model		NH15	NH20	NH30	NH40	NH50	NH60	NH80	
Power Rating – kVA		15	20	30	40	50	60	80	
Power Rating - kW		12	16	24	32	40	48	64	
Input	Rating Voltage	V	380/220 , 400/230 , 415/240 (3Phase, 4-wire plus ground)*						
	Voltage Range	V	208~477 / 120~276 ** (380/220 rating)						
	Input Current Harmonic Distortion	%	< 3 (full load)						
	Power Factor		> 0.99						
	Frequency	Hz	50 or 60 ±5Hz						
Output	Voltage	V	380/220 , 400/230 , 415/240 (3Phase, 4-wire plus ground)						
	Voltage Harmonic	%	≤ 3 (linear load)						
	Voltage Regulation	Static	%	±1					
		Dynamic	%	±7 (10% ~ 90% linear load)					
	Frequency	Hz	50 or 60						
	Frequency Regulation	Hz	±0.05 (interior oscillator)						
		Hz	±5 (synchronized)						
Overload		≤ 125% : 10minutes ; ≤ 150% : 1minute							
Audible Warning	Battery Backup		Intermittent						
	UPS Abnormal		Continuous						
Display	LED		UPS status : Normal · Bypass · Backup · Fault						
	LCD		Input/Output · Bypass · Inverter · Frequency · Loading and battery voltage · Current · UPS abnormal message and intelligent self diagnosis						
Interface	Standard		RS232 x 1, Smart Slot x 2, Dry contact output x 6, Contact input x 2, Parallel port x 1, Battery cabinet temperature x 4						
	Optional Accessories		SNMP card, Modbus card, Relay I/O control card, Environmental monitoring box, SNMP+5 ports hub, Battery cabinet temperature sensor, Battery cabinet temperature kit (For Delta battery cabinet), Battery cabinet status cable						
Others	Parallel Redundancy		Up to 4 units						
	Emergency Power Off		Local and remote						
	SRAM Event Log		500 Records						
	Parameter Configuration		Yes						
	Battery Temperature Compensation		Optional						
	Battery-Start		Yes						
Overall	Efficiency	Normal	%	94					
		ECO	%	97					
	Transfer Time	ms	0						
	Temperature	°C	0 ~ 40						
	Relative Humidity	%	90 (non-condensing)						
	Noise (at one meter)	dB(A)	65	65	68	68	70	70	70
	Dimension (WxDxH)	mm	520x850x1165 (UPS and battery cabinet are the same)						
	Weight	kg	125	125	175	175	210	210	244

\* Different rating is available. Please contact your local supplier for more information.  
 \*\* Lower range 208~300 / 120~173Vac is acceptable under 70~100% loading condition.  
 All specifications are subject to change without prior notice.

### NH Series15-80KVA



### Friendly LED +LCD Display



### Power Management Software

< UPSentry Smart 2000 >



### Compatible OS

- Microsoft
  - 9X/2000/2003/XP/Vista
- Linux
  - RedHat
  - Open Linux
  - SUSE
- FreeBSD
- Sun
  - Solaris Sparc
  - Solaris X86
- HP
  - HP-UX
- IBM
  - AIX
- Apple
  - MacOSX
- SCO
  - OpenServer