

NH series

Three phase 20-80kVA

Uninterruptible Power Supply

The NH series is a three phase UPS that features high efficiency, a modular structure and N+X redundancy. With an industry-leading 94% high efficiency, the NH series delivers remarkably low total cost of ownership in terms of both capital expense and operation expense.

With N+X module and system redundancy to guarantee reliability and availability, the NH series provides the best power protection for data center, industry, telecommunications, medical and mission critical applications.



Availability

- Available from 20 to 480kVA (4 units x 120kVA in parallel).
- Redundancy at module and system level.
- Redundant auxiliary power and control circuit ensures higher reliability.
- Built-in maintenance and static bypass switch.

Flexibility

- Modular design provides easy maintenance and scalability.
- Multi-language LCD display.
- Two smart slots and six programmable dry contact outputs.
- Optional extended battery cabinet for longer backup time.

Lowest Total Cost Of Ownership

- High input power factor (pf > 0.99) and low harmonic distortion (iTHD < 3%). Savings in installation costs.
- Energy savings with 94% high efficiency even at 30% loads for lower operation costs.
- Compatible with generator installation.



Data Center



Telecom



Industry



Network



Security



Labs



Medical



Metro



Up to 4 Modules in One Cabinet

NH series

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Technical Specifications

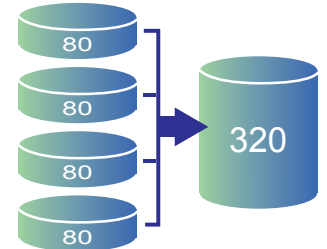
Model		NH20	NH40	NH60	NH80	
Power Rating – kVA		20	40	60	80	
Power Rating – kW		16	32	48	64	
Input	Rating Voltage	V 380/220 , 400/230 , 415/240 (3 Phase, 4-wire plus ground)				
	Voltage Range	V 208~477(line-line) / 120~276 (line-neutral) *				
	Input Current Harmonic Distortion	%				
	Power Factor	> 0.99				
	Frequency	Hz 50 or 60 ± 5Hz				
Output	Rating Voltage	V 380/220 , 400/230 , 415/240 (3Phase, 4-wire plus ground)				
	Voltage Harmonic	%				
	Voltage Regulation	%				
	Frequency	Hz 50 or 60				
	Frequency Regulation	Hz	± 0.05 (interior oscillator)			
		Hz	± 5 (synchronized), adjustable in steps of 0.1Hz			
Overload	≤125% : 10minutes ; ≤150% : 1minute					
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, EnviroProbe, SNMP+ 5 ports hub, Battery cabinet temperature sensor, Battery cabinet temperature kit (For Delta battery cabinet), Battery cabinet status cable				
Conformance	Safety & EMC	CE, EN62040-1-1, EN62040-2 (Class A)				
Others	Parallel Redundancy And Expansion	Module and system redundancy; Maximum 4 cabinets in parallel up to 320kVA				
	Emergency Power Off	Local and remote				
	SRAM Event Log	500 Records				
	Battery-Start & AC-Start	Yes				
Overall	Efficiency	Normal	%			
		ECO Mode	%			
	Temperature	°C 0 ~ 40				
	Relative Humidity	%				
	Noise (at one meter)	dBA	65	68	70	70
	Dimensions (WxDxH)	mm	520x850x1165 (UPS and battery cabinet are the same)			
Weight	kg	125	175	210	244	



Control and LCD Display Panel



Smart Slots and Interface



4 Units x 80 kVA in Parallel

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



Delta offers full-scale UPS solutions from 0.6kVA to 4000kVA to fulfill all your power security needs.

