

NH Plus series

Three phase 20-120kVA

Uninterruptible Power Supply

NH Plus belongs to “Delta High UPS” product series. Based on the patented technology, It is designed for high efficiency, high reliability and cost-effectiveness requirement.

As fast changing in the data center and IT frame, you need more flexibility for future power needs.

NH Plus combines scalability, hot-swappable and manageability as your business grows.

Features and benefits

- Double conversion and IGBT topology.
- High input power factor ($pf > 0.99$) and low harmonic distortion ($iTHD < 3\%$).
- Overall high efficiency ($> 94\%$), savings in the operating cost.
- N+X parallel redundancy and expansion.
- Easy parallel link (up to 4 units) without extra hardware needed.
- Modular design provides easy and fast maintenance.
- Hot-swappable capability ensures continuous power during module replacement.
- Dual mains input increasing the availability by two separate power source.
- Smart fan speed control to reduce the noise.
- Built-in manual and static bypass switch for maintenance.
- Compatible with generator installation.



Scalable And Hot-swappable



Data Center



Telecom



Industry



Network



Security



Labs



Medical



Metro

NH Plus series

Three phase 20-120kVA

Technical Specifications

Model		NHP20	NHP40	NHP60	NHP80	NHP100	NHP120	
Power Rating – kVA		20	40	60	80	100	120	
Power Rating - kW		16	32	48	64	80	96	
Input	Rating Voltage	V 380/220 , 400/230 , 415/240 (3phase, 4-wire plus ground)						
	Voltage Range	V 208~477(line-line) / 120~276 (line-neutral) *						
	Input Current Harmonic	% < 3 (full load)						
	Power Factor	> 0.99						
	Frequency	Hz 50 or 60 ± 5						
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), adjustable					
Overload	≤125% : 10m inutes ; ≤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, Environmental monitoring box, 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	Up to 4 cabinets						
	Emergency Power Off	Local and remote						
	SRAM Event Log	500 records						
	Battery Temperature Compensation	Optional						
	AC-Start	Yes						
	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	68	70	70	72	73
	Dimension (WxDxH)	UPS	mm	520x910x1165			520x975x1695	
		EBC**	mm	520x850x1165 (26Ahx40pcs)			520x975x1695 (40Ahx40pcs)	
	Weight	kg	170	200	230	260	320	350

* Lower range 208~300 / 120~173Vac is acceptable under 70~100% loading condition.

** EBC: External battery cabinet.

All specifications are subject to change without prior notice.



Mimic LCD Display



20-80kVA + Battery Cabinet



100-120kVA + Battery Cabinet



Delta delivers 0.6~4000kVA full-scale UPS solutions to fulfill all your needs