## Delta UPS-Modulon Family

NH Plus Series, Three Phase 20-120 kVA

#### Power to build a lasting competitive advantage

The Modulon NH Plus series is Delta's next generation UPS featuring high efficiency, hot-swappable modular structure and N+X redundancy. With its industry leading 94% high efficiency, the NH Plus series delivers remarkably low total cost of ownership in terms of both capital expense and operating expense. With N+X module and system redundancy to guarantee reliability and availability, the Modulon NH Plus series sets a new milestone for UPS protection in mission critical applications.

#### **Availability**

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

#### **Flexibility**

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

#### **Low Total Cost Of Ownership**

- Low harmonic distortion (iTHD<3%) optimized generator size to save initial investment
- High input and output power factor (I/P pf >0.99; O/P pf up to 0.9) and 94% high efficiency reduce operating costs





















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### NH Plus Series, Three Phase 20 - 120 kVA

Technical Spec	cifications						
Model		NHP-20K	NHP-40K	NHP-60K	NHP-80K	NHP-100K	NHP-120K
Power Rating -	kVA	20	40	60	80	100	120
Power Rating -	kW*	18	36	54	72	90	108
Input	Nominal Voltage	380/220, 400/230, 415/240 Vac (3 phase, 4-wire + G)					
	Voltage Range	208 ~ 477 Vac (line-line)/120 ~ 276 Vac (line-neutral) **					
	Current Harmonic Distortion	< 3% (full load)					
	Power Factor	> 0.99					
	Frequency	50 or 60 ± 5 h	Нz				
Output	Voltage	380/220, 400/230, 415/240 Vac (3 phase, 4-wire + G)					
	Voltage Harmonic Distortion	< 3% (linear l	oad)				
	Voltage Regulation	± 1% (static)					
	Frequency	50 or 60 Hz					
	Frequency Regulation	± 0.05 Hz (interior oscillator)					
		± 5 Hz (synchronized, adjustable in steps of 0.1 Hz)					
	Overload Capability	≤ 125%: 10 minutes; ≤ 150%: 1 minute					
Interface	Standard	RS232 x 1, SNMP slot x 2, Dry contact output x 6, Dry contact input x 2,					
		Battery cabinet temperature x 4, Battery cabinet status detection x 1, Parallel port x 1, REPO x 1					
	Management Peripherals	SNMP card, Modbus card, Relay I/O control card, EnviroProbe,					
		SNMP + 5 ports hub, Battery cabinet temperature sensor, Battery cabinet status cable					
Conformance	Safety & EMC	CE, EN62040-1, EN62040-2 Class A					
Other Features Parallel Redundancy and Expansion Emergency Power Off		Module and system redundancy; Maximum 4 units in parallel up to 480 kVA					
		Local and remote					
	SRAM Event Log	500 records					
Efficiency	AC-AC	94%					
	ECO Mode	97%					
Environment	Operating Temperature	0 ~ 40°C					
	Relative Humidity	0 ~ 95% (non-condensing)					
	Audible Noise (at one meter)	64 dBA	64 dBA	64 dBA	64 dBA	67 dBA	67 dBA
Physical	Dimensions UPS Battery	520 x 855 x 1	520 x 855 x 1165 mm 520 x 975 x 1695 mm				
	Cabinet (WxDxH)	520 x 855 x 1165 mm (26 Ah x 40 pcs)				520 x 855 x 1700 mm (40 Ah x 40 pcs)	
	Weight	112.5 kg	128 kg	230 kg	260 kg	350 kg	380 kg



Mimic LCD Display



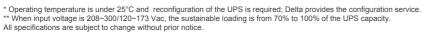
Scalable and Hot-swappable



100-120 kVA + **Battery Cabinet** 



Delta offers full range UPS solutions from 600 VA to 4000 kVA to fulfill your power security needs.





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Green Excellence Award for Corporate Leadership



Delta's Manufacturing

System is Certified by ISO 9001 and ISO 14001 Standards



IECQ Certificate of Hazardous Substance Process Management





