

The power behind competitiveness

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

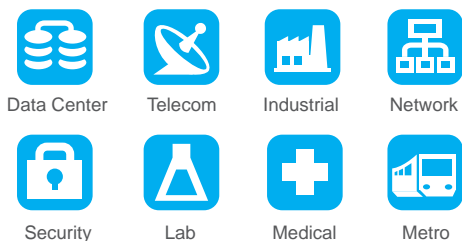
- Available from 20 to 480 kVA (4 units x 120 kVA in parallel).
- Redundancy at module and system level.
- Hot-swappable function ensures uninterrupted operations during maintenance.
- Redundant auxiliary power and control circuit ensures higher reliability.
- Inbuilt maintenance and static bypass switch.

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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20 - 120 kVA

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	300~477 Vac (full load), 208~300 Vac (70%~100% load)					
	Current Harmonic Distortion	< 3% (full load)					
	Power Factor	> 0.99					
	Frequency	45~65Hz					
Output	Voltage	380/220, 400/230, 415/240 Vac (3 phase, 4-wire + G)					
	Output Power Factor	0.9					
	Voltage Harmonic Distortion	< 3% (linear load)					
	Voltage Regulation	± 1% (static)					
	Frequency	50/60 ± 0.05 Hz					
	Overload Capability	≤ 125%: 10 minutes; ≤ 150%: 1 minute					
Interface	Standard	RS232 x 1, SMART slot x 2, Output dry contact x 6, Input dry contact x 2, Battery cabinet temperature x 4, Battery cabinet status detection x 1, Parallel port x 1, REPO x 1					
	Safety	CE, RCM					
Other Features	Parallel Redundancy	Module and system redundancy; Maximum 4 units in parallel up to 480 kVA					
	Emergency Power Off	Local and remote					
	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)	< 65 dB	< 68 dB	< 68 dB	< 70 dB	< 72 dB	< 73 dB
	IP Protection	IP20					
Physical	Dimensions	UPS	520 x 855 x 1165 mm			520 x 975 x 1695 mm	
	(WxDxH)	Battery Pack	520 x 855 x 1165 mm (26 Ah x 40 pcs)			520 x 975 x 1695 mm (40 Ah x 40 pcs)	
	Weight		170 kg	200 kg	230 kg	260 kg	350 kg

* Power rating in kW is Subject to reconfiguration of the UPS; Delta provides the configuration service.

All specifications are subject to change without prior notice.



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.



2007~ 2008 Forbes Asia's Fabulous 50



2009 Frost & Sullivan 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

