



POWER LOGIC®

www.KossUPS.com.my

KOSS UPS

NH Plus Series

Three Phase 20-480kVA Uninterruptible Power Supply

The NH Plus series is Delta's next generation UPS featuring high efficiency, a 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 operation expense.

With N+X module and system redundancy to guarantee reliability and availability, the NH Plus series sets a new milestone for UPS protection in mission critical applications.

Availability

- Available from 20 to 480kVA (4 units x 120kVA 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.
- 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.



Malaysia



UK



USA



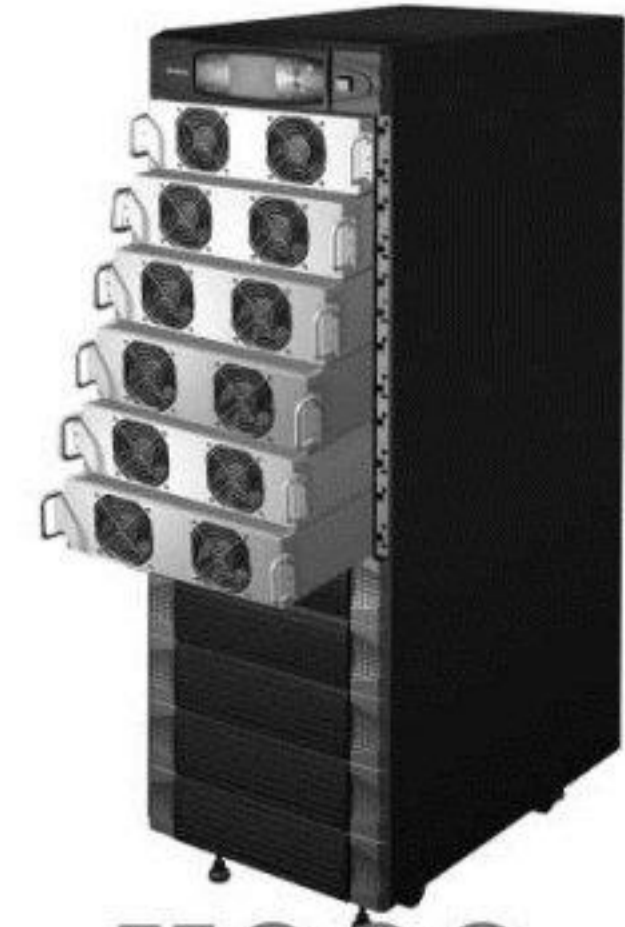
Korea

Mimic LCD Display

20-80kVA + Battery Cabinet

100-120kVA +
Battery Cabinet

Scalable And Hot-swappable



NH Plus Series

Three Phase 20-480kVA



KOSS UPS

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 (3 phase, 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 (3 phase, 4 -wire plus ground)						
	Voltage Harmonic	%	< 3 (linear load)						
	Voltage Regulation	%	± 1 (static)						
	Frequency	Hz	50 or 60						
	Frequency Regulation	Hz	± 0.05 (interior oscillator) ± 5 (synchronized, adjustable in steps of 0.1Hz)						
	Overload		≤125% : 10minutes ; ≤150% : 1minute						
Display	LED		UPS status : Normal, Bypass, Backup, Fault						
	LCD (Multi - Language)		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,NEMKO EN62040 -1-2, EN62040 2(Class A)						
Others	Parallel Redundancy And Expansion		Module and system redundancy; Maximum 4 cabinets in parallel up to 480kVA						
	Emergency Power Off		Local and remote						
	SRAM Event Log		500 Records						
	Battery-Start & AC-Start		Yes						
Overall	Efficiency	Normal	%						94
		ECO Mode	%						97
	Temperature	°C						0 ~ 40	
	Relative Humidity	%						90 (non-condensing)	
	Noise (at one meter)	dBA		65	68	70	70	72	73
	Dimensions (WxDxH)	UPS	mm	520x910x1165				520x975x1695	
		EBC**		520x850x1165 (26Ahx40pcs)				520x975x1695 (40Ahx40pcs)	
Weight	kg		170	200	230	260	350	380	

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

** EBC: External battery cabinet.

All specifications are subject to change without prior notice.

www.KossUPS.com.my

