NETCON EPI SERIES UPS

8～40kVA, 3:1 phase PF: 0.8

Wide input Range | Power Factor | Overload protection | Long Back-up | IFR | ECO | Interface (optional) | Battery cold start function

Netcon Transformer based design UPS are Low frequency UPS systems, which provides better compatibility with various types of loads and ensures higher levels of reliability and efficiency. They are often used in applications where reliability and performance are critical, such as data centres, medical facilities, and industrial environments. Netcon Low frequency UPS has salient features like Higher Power Capacity compared to High frequency UPS, better compatibility with wide range of loads, greater surge capacity to handle sudden spike in power demand, Improved Voltage Regulation to regulate voltage more effectively, providing a stable and clean power supply to connected equipment, enhanced reliability less prone to failure and can withstand harsh operating conditions. Overall, low frequency UPS systems are preferred in applications where reliability, capacity, and compatibility with various loads are paramount.

Features:

- High reliability design

Double Conversion on-line design, which makes the output a pure sine wave source with tracking frequency, phase-lock and voltage regulation, noise suppression, and without power fluctuation interference, providing the load with more comprehensive protection.

Zero transfer time of output, satisfies high standard power requirements of precision equipment.

Modular design and dual-CPU control, high reliability and stability ensure the safe operation and high efficiency

- **Optimization of high-performance battery**

Adapt intelligent battery management (ABM) technology, thus it extends battery life and reduces battery maintenance times.

Advanced CC (Constant current)/CV (Constant voltage) auto-conversion charging technology maximizes the activation of cells, thus it saves the charging time and extending the battery life.

- **High reliability during operation**

Pure online static bypass technology, provides a strong protection against overload and fault

Built-in manual maintenance bypass, further improves the reliability of continuous operation

- **Wide input range**

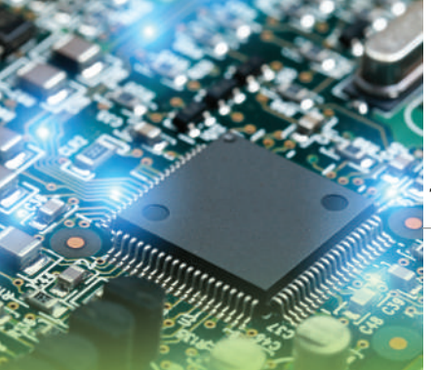
The range of AC input voltage is 380V±20%, thereby it reduces the battery using frequency and greatly extending the battery life.

Wide input frequency range, ensure all types of fuel generators connected work stable.

- **Comprehensive and reliable protection**

Self-diagnosis function before start-up, avoid the risks that maybe lead to the failure.

The multi-protections such as overload, short-circuit, over-temperature, battery under voltage, battery overcharge and so on greatly ensure the system stability and reliability.



NETCON EPI Series UPS

1:1 Phase PF 0.8, 8~40 KVA

Strong Redundancy/parallel ability

Some units can be directly connected in parallel, increasing the scalability of the system.

The parallel system can share a group of backup battery.

Non-fixed Master-Slave relationship:
Among several UPS in parallel, the unit startup first is Master UPS, the others are Slave UPS.
The master and slave can be exchanged.
If the inverter of one UPS fails, the UPS will automati-cally cut off the output, then the load will be powered by remained UPS.

User-friendly network management

Chinese and English language selectable via LCD panel.

RS232 communication interface.

RS485 communication interface (Support MODBUS protocol).

SNMP card (Optional).

Events log can be record in the LCD panel.

Dry contact signal port are available.

Technical Specifications

MODEL	NTEPI8KL	NTEPI10KL	NTEPI15KL	NTEPI20KL	NTEPI30KL	NTEPI40KL
Capacity	8kVA/6.4kW	10kVA/8kW	15kVA/12kW	20kVA/16kW	30kVA/24kW	40kVA/32kW
INPUT						
Operating voltage range	380/400Vac (±20%), (3Ph+N+PE)					
Operating frequency range	50/60Hz (±5%)					
Power factor	≥0.97 *					
OUTPUT						
Output voltage	220Vac (±1%)					
Output frequency	50/60Hz (±0.5%)					
Crest factor	3:1 (Max)					
Efficiency	86%				88%	
Harmonic distortion (THDv)	≤2% (Linear load)					
BATTERY						
Battery voltage	192Vdc				240Vdc	
SYSTEM FEATURES						
Transfer time	0 ms (Line mode → Battery mode)					
Overload	110% ≤Load≤150%/1min; >150%/200ms, to Bypass					
LED display	Low battery voltage, Mains status, Inverter, Bypass, UPS failure, Overload					
LCD display	I/O voltage, Frequency, Battery voltage, Load percentage, Internal temperature					
Communication interface	RS232, RS485, EPO, Dry contact, SNMP (Optional)					
ENVIRONMENTAL						
Operating temperature	0~40℃					
Storage temperature	-25~55℃					
Humidity range	0~95% (Non-condensing)					
Altitude	<1500m					
Noise level	<60dB				<65dB	
PHYSICAL						
Dimension W×D×H (mm)	305×585×864				350×650×1050	
Net weight (kg)	110	115	130	145	205	255
Shipping weight (kg)	120	125	140	155	220	270
STANDARDS						
Safety	IEC/EN 62040-1; IEC 62477-1					
EMC	IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)					
Performance	IEC/EN 62040-3					

* With optional filter

1. Specifications are subject to change without prior notice 2. Data above are typical values for reference only, not as a basis for engineering design

ORDERING INFORMATION

Model No.	Description
NTEPI8KL	Netcon 8kVA/6.4 KW 3:1 phase PF: 0.8, 50/60Hz, N+X parallel redundancy, with robust Output Isolation transformer Ups.
NTEPI10KL	Netcon 10kVA/8 KW 3:1 phase PF: 0.8, 50/60Hz, Redundancy/parallel ability, with robust Output Isolation transformer Ups.
NTEPI15KL	Netcon 15kVA/12 KW 3:1 phase PF: 0.8, 50/60Hz, Redundancy/parallel ability, with robust Output Isolation transformer Ups.
NTEPI20KL	Netcon 20kVA/16 KW 3:1 phase PF: 0.8, 50/60Hz, Redundancy/parallel ability, with robust Output Isolation transformer Ups.
NTEPI30KL	Netcon 30kVA/24 KW 3:1 phase PF: 0.8, 50/60Hz, Redundancy/parallel ability, with robust Output Isolation transformer Ups.
NTEPI40KL	Netcon 40kVA/32 KW 3:1 phase PF: 0.8, 50/60Hz, Redundancy/parallel ability, with robust Output Isolation transformer Ups.
NTEPI40KL	Netcon 40kVA/32 KW 3:1 phase PF: 0.8, 50/60Hz, Redundancy/parallel ability, with robust Output Isolation transformer Ups.

NETCON ENTERPRISE PVT. LTD. India
sales@netconenterprise.com | www.netconenterprise.com