

ON-LINE UPS SYSTEMS (10KVA to 300KVA 3/3Ø)

NEXUS

THE HEAVY DUTY SERIES

The HF Series includes the 10KVA to 300KVA (3 phase input, 3 phase output) double conversion On-Line UPS with an isolation transformer. The Load is supplied continuously by the inverter with clean, stabilized and regulated sine wave output power.

STATE OF THE ART TECHNOLOGY

Input & Output filters protect the load from Voltage fluctuation and surges. It's applications include mission critical load like IT, Call Centres, Hospitals, CNC machines etc.

Thanks to state-of-the-art microprocessor based high frequency PWM technology.

FEATURES

- Isolation Transformer for added protection
- Static & Manual Bypass (Optional)
- True On-line Double Conversion UPS
- High Transient Response
- High Efficiency
- Constant Voltage Constant Current Charger
- Wide Input range (340-460V)
- Pure Sine Wave with Isolated output
- Generator Compatible
- Soft Start Facility
- Crystal Controlled Frequency

Applications

- Network servers
- Data Centres
- Printing machines
- Industrial PLC's
- Industrial Processes
- Elevators
- Medical Equipments



SPECIFICATIONS

Input Voltage	Three Phase
Voltage range	340 to 460V
Frequency	45-55 Hz

INVERTER

Output Wave Form	Pure Sine Wave
Output voltage	415V/400V/380V (adjustable)
Output voltage regulation	+/- 1%
Output Frequency	50Hz +/- 0.01%
Output Isolation	Galvanic Isolation
Power Factor	0.8 to unity
THD	Less than 3%
Technology	Micro controller based Hi Freq. PWM
Overload Capacity	110% for 10 Min.
Crest Factor	4:1
Transient Recovery	Within 3 cycle

BATTERY CHARGER

Charger Type	Constant Voltage Constant Current
Charging Mode	Trickle, Float & Boost

OPERATING CONDITIONS

Operating Temperature	0-45 °C
Humidity	90% Non Condensing
Noise Level	Less than 45dB

RESPONSE TIME

Transfer Time	0 ms
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