

# INDUSTRIAL GRADE UPS

## LTH SERIES - 10KVA ~ 100KVA

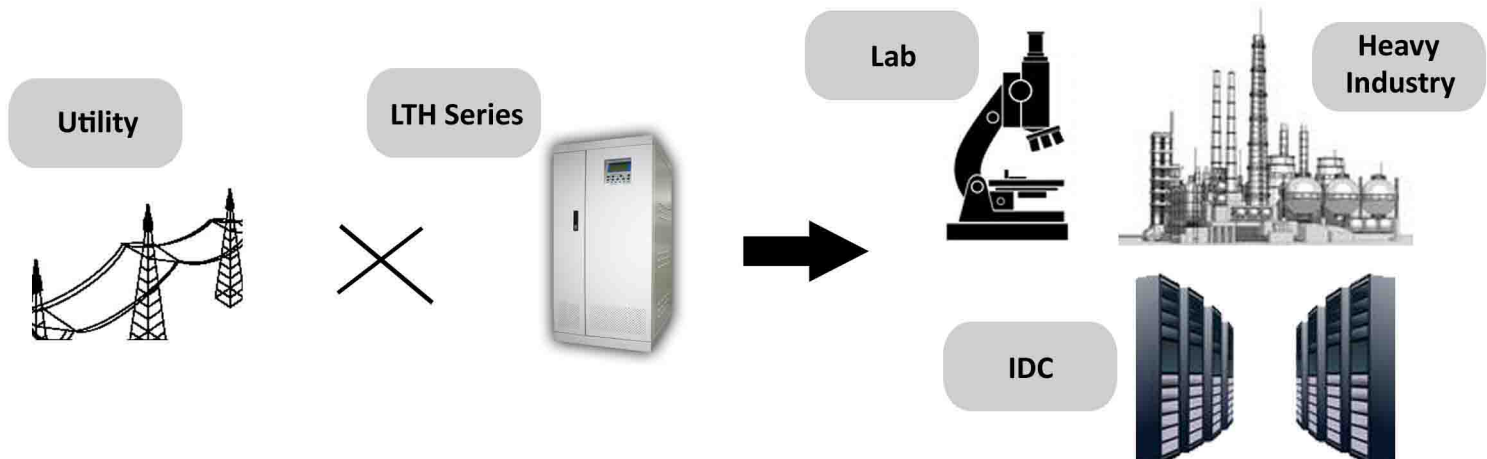
The LTH Series applied double conversion technology to rectify AC input voltage to stable direct voltage when it passes through the SCR phase control. Not only the power of IGBT but also the charge voltage of batteries that the LTH Series will supply at the same time. In addition, the LTH Series use SCR as transfer switch between AC mode and inverter mode; this ensures transfer time is fast enough to protect your computer perfectly while AC power is outage or UPS is malfunction. Furthermore, the LCD display makes users to read operation status and control easily.



### FEATURE

- Double Conversion
- DC Start Capability
- UPS Self Detection
- Advanced Battery Management
- Input True Galvanic Isolation Transformer
- Per Phase with Individual Inverter Support

### DEMONSTRATION



# SPECIFICATION

| Model                  |                                 | LTH-10  | LTH-20 | LTH-30 | LTH-40 | LTH-50              | LTH-60 | LTH-80        | LTH-100 |
|------------------------|---------------------------------|---|--------|--------|--------|---------------------|--------|---------------|---------|
| Capacity               |                                 | 10KVA   | 20KVA  | 30KVA  | 40KVA  | 50KVA               | 60KVA  | 80KVA         | 100KVA  |
| Input<br>(Rectifier)   | Voltage                         | 380VAC / 400VAC / 415VAC, 3 Phase 4 Wire  |        |        |        |                     |        |               |         |
|                        | Frequency                       | 50Hz or 60Hz $\pm$ 5%   |        |        |        |                     |        |               |         |
|                        | Power Walk-in                   | 0 ~ 100% : 10 seconds   |        |        |        |                     |        |               |         |
| Output<br>(Inverter)   | Voltage                         | 380VAC / 400VAC / 415VAC, 3 Phase 4 Wire  |        |        |        |                     |        |               |         |
|                        | Frequency                       | 50Hz or 60Hz $\pm$ 0.5%   |        |        |        |                     |        |               |         |
|                        | Static Regulation               | $\pm$ 1% at linear load   |        |        |        |                     |        |               |         |
|                        | Dynamic Regulation              | $\leq$ 2% at 50% load unbalance, $\leq$ 5% at 100% load unbalance   |        |        |        |                     |        |               |         |
|                        | THD Distortion                  | $\leq$ 3% at linear load, $\leq$ 5% at non-linear load  |        |        |        |                     |        |               |         |
|                        | Transient Response              | $<$ 5ms   |        |        |        |                     |        |               |         |
|                        | Power Factor                    | 0.8   |        |        |        |                     |        |               |         |
|                        | Overload Capacity               | 100% ~124% for 10 minutes, $>$ 125% for 1 minute, $>$ 150% to bypass  |        |        |        |                     |        |               |         |
| Battery                | Voltage                         | 192V (12V*16pcs)  |        |        |        | 348V (12V*29pcs)    |        |               |         |
|                        | Max. Charge Current             | 5A  |        |        |        | 10A                 |        |               |         |
|                        | Float Voltage                   | 216V  |        |        |        | 392V                |        |               |         |
|                        | Boost Voltage                   | 230V  |        |        |        | 420V                |        |               |         |
|                        | Recharge Time                   | 4 ~ 8 hours 90% after fully discharge   |        |        |        |                     |        |               |         |
| Static Switch          | Main $\leftrightarrow$ Inverter | No break  |        |        |        |                     |        |               |         |
| Indicator              | LCD Display                     | Input / Output Voltage, Frequency, Output Loading Status, Battery Status, Battery Replacement Warning, Phase Site Wiring Error, Event Log |        |        |        |                     |        |               |         |
|                        | LED Display                     | Mimic display   |        |        |        |                     |        |               |         |
| Protection             | Output Short                    | Yes   |        |        |        |                     |        |               |         |
|                        | Lighting/EMI Filter             | Yes   |        |        |        |                     |        |               |         |
| Environment            | Temperature                     | 0 $^{\circ}$ C ~ 40 $^{\circ}$ C  |        |        |        |                     |        |               |         |
|                        | Humidity                        | 0% ~ 90%, non-condensing  |        |        |        |                     |        |               |         |
|                        | Noise Level                     | $<$ 60dB at 1 meter   |        |        |        | $<$ 65dB at 1 meter |        |               |         |
| Communication          | Interface Port                  | RS-232 or DB9, SNMP adaptor (option), RS-485 (option), AS-400(option)   |        |        |        |                     |        |               |         |
| Dimension<br>W*H*D(mm) | UPS                             | 660*1550*800  |        |        |        | 660*1550*800        |        | 1110*1710*850 |         |
|                        | Battery Bank                    | 660*1550*800  |        |        |        | 660*1550*800        |        | 660*1550*800  |         |
| Net Weight             | UPS                             | 500kgs  |        | 600kgs |        | 650kgs              |        | 700kgs        |         |
|                        | Battery bank                    | 430kgs  |        | 500kgs |        | 630kgs              |        | 1100kgs       |         |

\* Long Time reserves the right to change specifications without prior notice.

Note: