

## 👉 LX2KTON ~ LX3KTON

1:1 Phase PF 0.9

Power range: 2~3kVA



### 👉 Features

- High power density
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO/Dry contact card/SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Battery Cabinet  
(Optional)



Optimized Battery Configuration  
7/9Ah



Dry contact card



SNMP card

Rear Panel

## Technical Specifications

| MODEL                         | LX2KTON                                                                                                                                               |      | LX3KTON     |      |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|------|
| Capacity (VA/W)               | 2000/1800                                                                                                                                             |      | 3000/2700   |      |
| INPUT                         |                                                                                                                                                       |      |             |      |
| Nominal Voltage (Vac)         | 208/220/230/240                                                                                                                                       |      |             |      |
| Operating Voltage Range (Vac) | 110~300 (176~264 @ 100% load)                                                                                                                         |      |             |      |
| Power Factor                  | ≥0.99                                                                                                                                                 |      |             |      |
| Bypass Frequency Range (Hz)   | 40~70 (50/60 Auto-Sensing)                                                                                                                            |      |             |      |
| OUTPUT                        |                                                                                                                                                       |      |             |      |
| Nominal Voltage (Vac)         | 208/220/230/240                                                                                                                                       |      |             |      |
| Voltage Regulation            | ±1%                                                                                                                                                   |      |             |      |
| Power Factor                  | 0.9                                                                                                                                                   |      |             |      |
| Output Frequency (Hz)         | Line mode: 46~54 or 56~64; Bat. mode: (50/60±0.1%)                                                                                                    |      |             |      |
| Crest Factor                  | 3:1                                                                                                                                                   |      |             |      |
| Harmonic Distortion (THDv)    | ≤3% Linear load; ≤5% Non linear load                                                                                                                  |      |             |      |
| Transfer Time (ms)            | AC mode to Bat.mode: 0; Inverter to Bypass: 4 (Typical)                                                                                               |      |             |      |
| Waveform                      | Pure Sinewave                                                                                                                                         |      |             |      |
| EFFICIENCY                    |                                                                                                                                                       |      |             |      |
| AC Mode                       | Up to 91%                                                                                                                                             |      | Up to 92%   |      |
| ECO Mode                      | Up to 96%                                                                                                                                             |      | Up to 97%   |      |
| BATTERY                       |                                                                                                                                                       |      |             |      |
| Battery Type                  | VRLA (Lead acid maintenance free battery)                                                                                                             |      |             |      |
| Battery Voltage (Vdc)         | 48                                                                                                                                                    | 72   | 72          | 96   |
| Battery Capacity (Ah)         | S: 7/9; H: Depends on the capacity of external batteries                                                                                              |      |             |      |
| Battery Quantity (pcs)        | 4                                                                                                                                                     | 6    | 6           | 8    |
| Typical Recharge Time (hours) | S: 4 (To 90% of full capacity)                                                                                                                        |      |             |      |
| Charging Current (Max.)(A)    | 1                                                                                                                                                     |      |             |      |
| MANAGEMENT                    |                                                                                                                                                       |      |             |      |
| LED Display                   | Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault                                                                 |      |             |      |
| LCD Display                   | Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time |      |             |      |
| ENVIRONMENTAL                 |                                                                                                                                                       |      |             |      |
| Operating Temperature (°C)    | 0~40                                                                                                                                                  |      |             |      |
| Storage Temperature (°C)      | -25~55                                                                                                                                                |      |             |      |
| Humidity Range                | 20~95%RH @ 0~40°C (Non condensing)                                                                                                                    |      |             |      |
| Altitude (m)                  | <1000, derating required between 1000 to 3000                                                                                                         |      |             |      |
| Noise Level (dB)              | <50                                                                                                                                                   |      |             |      |
| PHYSICAL                      |                                                                                                                                                       |      |             |      |
| Dimension WxDxH (mm)          | 191×460×337(144×399×209)                                                                                                                              |      | 191×460×337 |      |
| Weight (kg)                   | 19.5(15.4)                                                                                                                                            | 24.5 | 24.5        | 29.5 |
| STANDARDS                     |                                                                                                                                                       |      |             |      |
| Safety                        | IEC/EN 62040-1, IEC/EN 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 62040-3: 2021, EN IEC 62040-3: 2021                                                                                                               |      |             |      |

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
2. Specifications are subject to change without prior notice
3. Data above are typical values for reference only, not as a basis for engineering design

## MP BT 1-3kVA Battery Pack Specification

| MODEL                                 | MP BT08048C                                              | MP BT12072C | MP BT16096C |
|---------------------------------------|----------------------------------------------------------|-------------|-------------|
| BATTERY SYSTEM                        |                                                          |             |             |
| Battery Type                          | VRLA (Lead acid maintenance free battery)                |             |             |
| Typical Battery Recharge Time (hours) | 6~8 (To 90% of full capacity)                            |             |             |
| Typical Battery Life (years)          | 3~5, depend on discharging cycle and ambient temperature |             |             |
| System Voltage (Vdc)                  | 48                                                       | 72          | 96          |
| Charging Current (Max.) (A)           | 1.4                                                      |             |             |
| Battery Quantity (pcs)                | 8                                                        | 12          | 16          |
| Capacity (Ah)                         | 9 (7 Optional)                                           |             |             |
| PHYSICAL                              |                                                          |             |             |
| Dimension WxDxH (mm)                  | 191×460×337                                              |             |             |
| Weight (kg)                           | 28.5                                                     | 38.5        | 47.5        |
| ENVIRONMENTAL                         |                                                          |             |             |
| Operating Environment (°C)            | 0~40                                                     |             |             |
| Humidity Range                        | 20~95%RH @ 0~40°C (Non condensing)                       |             |             |
| Altitude (m)                          | <1000, derating required between 1000 to 3000            |             |             |
| Noise Level (dB)                      | <40                                                      |             |             |
| STANDARDS                             |                                                          |             |             |
| Safety                                | IEC/EN 62040-1, IEC/EN 62477-1                           |             |             |

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2. Data above are typical values for reference only, not as a basis for engineering design
3. Remark: MP BT08048C "MP" means series; "BT" means Battery Tower cabinet; "08" means battery number inside the cabinet; "048" means the battery system voltage; "C" means the cabinet coming with charger



## 👉 LX3KRACK

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 3kVA



## 👉 Features

- Rack/Tower convertible design
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving



Optimized Battery Configuration  
7/9Ah



Battery Cabinet (Optional)



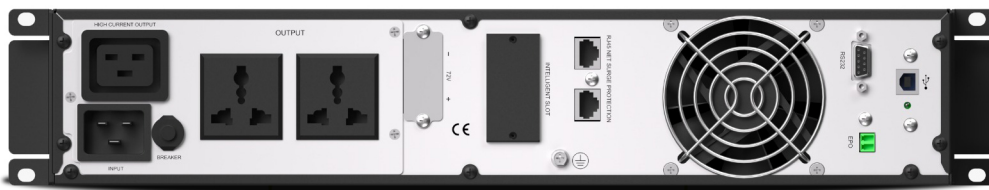
# LECNO UPS SERIES

- Generator compatible
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO/Dry contact card/SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- PDU with maintenance bypass switch (Optional)



Multifunctional Bracket

*Better Products. Exceptional Quality.*



Dry contact card



SNMP card



The LCD Panel Can be Rotated

## Technical Specifications

|                               |                                                                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| MODEL                         | LX3KRACK                                                                                                                                              |
| Capacity (VA/W)               | 3000/2700                                                                                                                                             |
| INPUT                         |                                                                                                                                                       |
| Nominal Voltage (Vac)         | 208/220/230/240                                                                                                                                       |
| Operating Voltage Range (Vac) | 110~300 (176~264 @ 100% load)                                                                                                                         |
| Power Factor                  | ≥0.99                                                                                                                                                 |
| Bypass Frequency Range (Hz)   | 40~70 (50/60 Auto-Sensing)                                                                                                                            |
| OUTPUT                        |                                                                                                                                                       |
| Nominal Voltage (Vac)         | 208/220/230/240                                                                                                                                       |
| Voltage Regulation            | ±1%                                                                                                                                                   |
| Power Factor                  | 0.9                                                                                                                                                   |
| Output Frequency (Hz)         | Line mode: 46~54 or 56~64; Bat. mode: (50/60±0.1%)                                                                                                    |
| Crest Factor                  | 3:1                                                                                                                                                   |
| Harmonic Distortion (THDv)    | ≤3% Linear load; ≤5% Non linear load                                                                                                                  |
| Transfer Time (ms)            | AC mode to Bat.mode: 0; Inverter to Bypass: 4 (Typical)                                                                                               |
| Waveform                      | Pure Sinewave                                                                                                                                         |
| EFFICIENCY                    |                                                                                                                                                       |
| AC Mode                       | Up to 92%                                                                                                                                             |
| ECO Mode                      | Up to 97%                                                                                                                                             |
| BATTERY                       |                                                                                                                                                       |
| Battery Type                  | VRLA (Lead acid maintenance free battery)                                                                                                             |
| Battery Voltage (Vdc)         | 72                                                                                                                                                    |
| Battery Capacity (Ah)         | S: 7/9; H: Depends on the capacity of external batteries                                                                                              |
| Battery Quantity (pcs)        | 6                                                                                                                                                     |
| Typical Recharge Time (hours) | S: 4 (To 90% of full capacity)                                                                                                                        |
| Charging Current (Max.) (A)   | 1                                                                                                                                                     |
| MANAGEMENT                    |                                                                                                                                                       |
| LED Display                   | Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault                                                                 |
| LCD Display                   | Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time |
| ENVIRONMENTAL                 |                                                                                                                                                       |
| Operating Temperature (°C)    | 0~40                                                                                                                                                  |
| Storage Temperature (°C)      | -25~55                                                                                                                                                |
| Humidity Range                | 20~95%RH @ 0~40°C (Non condensing)                                                                                                                    |
| Altitude (m)                  | <1000, derating required between 1000 to 3000                                                                                                         |
| Noise Level (dB)              | <50                                                                                                                                                   |
| PHYSICAL                      |                                                                                                                                                       |
| Dimension WxDxH (mm)          | 440×600×86.5                                                                                                                                          |
| Weight (kg)                   | 26                                                                                                                                                    |
| STANDARDS                     |                                                                                                                                                       |
| Safety                        | IEC/EN 62040-1, IEC/EN 62477-1                                                                                                                        |
| EMC                           | IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8                                                     |
| Performance                   | IEC 62040-3: 2021, EN IEC 62040-3: 2021                                                                                                               |

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
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3. Data above are typical values for reference only, not as a basis for engineering design

## MP BR 1-3kVA Battery Pack Specification

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| MODEL                                 | MP BR12072C                                              |
| BATTERY SYSTEM                        |                                                          |
| Battery Type                          | VRLA (Lead acid maintenance free battery)                |
| Typical Battery Recharge Time (hours) | 6~8 (To 90% of full capacity)                            |
| Typical Battery Life (years)          | 3~5, depend on discharging cycle and ambient temperature |
| System Voltage (Vdc)                  | 72                                                       |
| Charging Current (Max.) (A)           | 1.4                                                      |
| Battery Quantity (pcs)                | 12                                                       |
| Capacity (Ah)                         | 9 (7 Optional)                                           |
| PHYSICAL                              |                                                          |
| Dimension WxDxH (mm)                  | 440x710x86.5                                             |
| Weight (kg)                           | 44                                                       |
| ENVIRONMENTAL                         |                                                          |
| Operating Environment (°C)            | 0~40                                                     |
| Humidity Range                        | 20~95%RH @ 0~40°C (Non condensing)                       |
| Altitude (m)                          | <1000, derating required between 1000 to 3000            |
| Noise Level (dB)                      | <40                                                      |
| STANDARDS                             |                                                          |
| Safety                                | IEC/EN 62040-1, IEC/EN 62477-1                           |

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2. Data above are typical values for reference only, not as a basis for engineering design
3. Remark: MP BR08048C "MP" means series; "BR" means Battery Rack; "08" means battery number inside the Rack; "048" means the battery system voltage; "C" means the Rack coming with charger

