The Ablerex EVO-RT Series is an on-line double conversion rack tower convertible UPS, density optimized (up to 10,000VA) powered system. Structural evolution improve efficiency up to 90% while reducing energy cost.

The EVO-RT Series can be easily integrated into a wide variety of IT environments with advanced power management capability. And, with one of the best price/performance ratios, this UPS offers a low total cost of ownership.

➢ Rack/Tower Convertible Design
➢ True On-line Double Conversion Technology
➢ Advanced Digital Control Technology
➢ Wide Input Voltage/Frequency Window
➢ 0.9 Output Power Factor
➢ Active Harmonic Current Control
➢ LCD Mimic Display Panel
➢ Smart ECO mode
➢ Patent Backup Runtime Estimation
➢ Optional Interface Slot for Communication Flexibility
## Technical Specification

### Input
- **Voltage**: 110Vac~300Vac**
- **Frequency**: 45Hz~65Hz
- **Phase**: Single Phase with Ground

### Output
- **Voltage**: 200/208/220/230/240
- **Frequency**: 3Hz or 1Hz (selectable)
- **Harmonic Distortion**: <3% (at full linear load)
- **Current Crest Factor**: 3:1
- **Transfer Time (AC to DC)**: 0 ms
- **Efficiency**: 92%, 93%, 94%
- **Waveform**: Pure Sine Wave

### Battery
- **Number of Batteries**: 2pcs, 4pcs, 6pcs, External Battery Module - 20pcs
- **Type & Capacity**: Sealed Lead Acid Maintenance Free, 12V/7AH or 12V/9AH upon request
- **Rated Battery Voltage**: 24Vdc, 48Vdc, 72Vdc, External Battery Module – 240Vdc
- **External Battery Application**: Yes

### Display
- **LCD**: Input Voltage / Input Frequency / Output Voltage / Output Frequency / Load Percentage / Battery Voltage / Temperature

### Alarms
- **Audible and Visual**: Line Failure, Battery Low, Transfer to Bypass, System Fault Conditions

### Protection
- **Overload Capacity**: 105% continuous, 120% for 30sec., 150% for 10sec.
- **Full Protection**: Overload, Over Temperature, Short Circuit, Discharge, Overcharge

### Special Features
- **DC Start**: Yes
- **Parallel Function**: Not Supported, Yes, with optional external parallel box (consult Ablerex)

### Physical
- **Dimension, W x D x H (mm)**: 440 x 390 x 88 (2U), 440 x 475 x 88 (2U), 440 x 600 x 88 (2U), 440 x 680 x 88 (2U), 440 x 680 x 132 (3U)
- **Weight (kg)**: 12, 17, 27, 24, 45
- **Outlets*****: 1x Universal + 2x IEC-C13, 1x Universal + 3x IEC-C13, 1x Universal + 3x IEC-C13

### Interface
- **Communication Port**: Standard: USB & RS232
- **Options Slot**: Dry Contact, SNMP/Web Card, RS485, EPO

### Standards & Certifications
- **Safety & EMC**: IEC/EN 62040-1, IEC/EN 62040-2
- **Markings**: CE

### External Battery Cabinet Specification
- **Model Number**: BC08024X, BC08048X, BC12072X, BC20N3U0X
- **Used w/ UPS model**: EVO-RT 1000, EVO-RT 2000, EVO-RT 3000, EVO-RT 6000, EVO-RT 10000
- **Battery Quantity**: Max. 8 blocks, Max. 8 blocks, Max. 12 blocks, Max. 20 blocks
- **Battery Type & Capacity**: Sealed Lead Acid Maintenance Free, 12V/7AH or 12V/9AH
- **Dimension, W x D x H (mm)**: 440 x 650 x 88 (2U), 440 x 680 x 132 (3U)

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*Specifications subject to change without notice.
**Based on load percentage
***Other sockets configuration are available upon request

**Designed & Engineered by: ABL_evort/140817/rev0**