

## ARES RT Series On-line UPS

The Ares RT series on-line double conversion UPS with full-time digital single processor control technology is the cost-effective solution for mission critical user who demand high reliability and performance from a UPS.

- Output Power Factor 0.9
- True On-line Double Conversion Topology
- Advanced Digital Control Technology
- Easily Program Upgrade
- Active Harmonic Current Control
- Multi-Mode Operation
- Smart Cooling Fan Design
- Programmable Receptacles (Option)
- Remote Emergency Power Off (Option)
- Personalization & Intelligent Self-diagnostic



**ARES RT Series  
On-line UPS**

| Model                             | ARES RT 1K **                  |  | ARES RT 1KC**                                 |  | ARES RT 2K  |   | ARES RT 2KC |                                    | ARES RT 3K                                    |  | ARES RT 3KC |  |
|-----------------------------------|--------------------------------|--|---|--|---|---|-------------|------------------------------------|---|--|-------------|--|
| Input                             | Phase                          | Single + G   |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Voltage **                     | 160~275Vac at full load  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Frequency                      | 45~65Hz(Auto sensing)  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Power Factor                   | ≥0.99 @ Full Load  |   |  |   |   |             |                                    |   |  |             |  |
| Output                            | Capacity                       | 1000VA/900W  |   |  | 2000VA/1800W  |   |             | 3000VA/2700W                       |   |  |             |  |
|                                   | Voltage                        | 220/230/240 Vac  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Power Factor                   | 0.9  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Harmonic Distortion            | ≤3% @ 100% Linear load   |   |  |   |   |             |                                    |   |  |             |  |
|                                   |                                | ≤7% @ 100% non-linear load   |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Voltage Regulation             | ±1%  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Frequency (Synchronized Range) | ±1Hz or ±3Hz (Selectable)  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Crest Factor                   | 3:1  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Waveform                       | Pure Sine Wave   |   |  |   |   |             |                                    |   |  |             |  |
| Efficiency                        | Line Mode                      | Up to 92%  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | High Efficiency Mode           | Up to 96%  |   |  |   |   |             |                                    |   |  |             |  |
| Battery                           | Type & Number                  | 12V/9Ah x (2 or 3)   | Depending on the capacity of external battery |  | 12V/7Ah x (4 or 6)  | Depending on the capacity of external battery |             | 12V/7Ah x (6 or 8)                 | Depending on the capacity of external battery |  |             |  |
|                                   | Recharge Time (to 90%)         | 4 hours  |   |  | 4 hours   |   |             | 4 hours                            |   |  |             |  |
| Display                           | LED (Standard)                 | Normal, Battery, Bypass, Programmable Outlet 1, Programmable Outlet 2, Self-Test, Battery Weak & Bad, Site Wiring Fault, Fault, Overload, and Load/Battery Level |   |  |   |   |             |                                    |   |  |             |  |
|                                   | LCD (Option)                   |  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Self-Diagnostics               | Upon Power-on, Front Panel Setting & Software Control, 24 hours routine check  |   |  |   |   |             |                                    |   |  |             |  |
| Alarm                             | Audible or Visual              | Line Failure / Battery Low / Transfer to Bypass / System Fault   |   |  |   |   |             |                                    |   |  |             |  |
| Protection                        | Full Protection                | Overload, Over temperature, Short circuit, Discharge, Overcharge   |   |  |   |   |             |                                    |   |  |             |  |
| Function                          | Multi-Mode                     | Normal/ ECO/ CVCF  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | DC start                       | Yes  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Programmable Outlet (Option)   | Yes  |   |  |   |   |             |                                    |   |  |             |  |
| Physical                          | Dimensions (WxHxD, mm/inch)    | 440x88x390 / 17.3x3.5x15.4   |   |  | 4 pcs: 440x88x475 / 17.3x3.5x17.8<br>6 pcs:440x88x600 / 17.3x3.5x23.7 |   |             | 440x88x600 / 17.3x3.5x23.7         |   |  |             |  |
|                                   | Net Weight (kgs/lbs)           | 2 pcs: 12/26.4<br>3 pcs: 14.5/31.9   | 9.5/20.9                                      |  | 4 pcs: 17/37.4<br>6 pcs: 21.5/47.4                                    | 12/26.4                                       |             | 6 pcs: 26.5/58.4<br>8 pcs: 31/68.3 | 15.5/34.1                                     |  |             |  |
| Environmental                     | Operation Temperature          | 0- 40°C  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Operation Humidity             | 0-95 % (Without condensing)  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Altitude                       | 1000m/3300ft without Derating  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Noise Level                    | ≤45dBA (At one meter)  |   |  |   |   |             |                                    |   |  |             |  |
| Interface                         | Standard                       | RS-232   |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Option                         | EPO, 2nd RS232, USB, RS485, Dry Contact Relay, SNMP/WEB Card   |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Compatible Platforms           | Microsoft Windows series, Linux, Mac, etc.   |   |  |   |   |             |                                    |   |  |             |  |
| Standards and Certifications **** | Safety                         | EN62040-1, UL1778  |   |  |   |   |             |                                    |   |  |             |  |
|                                   | EMC                            | EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A   |   |  |   |   |             |                                    |   |  |             |  |
|                                   | Marks                          | CE, UL, cUL, FCC   |   |  |   |   |             |                                    |   |  |             |  |

\* Specifications subject to change without notice, and the final explanation rights are reserved by AblereX

\*\* ARES RT 1K is available 2pcs Schuko socket, more rear panel option please contact with AblereX

ARES RT 2K / 3K depending on load percentage

\*\*\* Depending on the model and voltage, more information please contact with AblereX

**Battery Bank Specifications**

| Title     | Contents              | 1KVA  |                             | 2KVA |    | 3KVA |    |
|-----------|-----------------------|---|-----------------------------|------|----|------|----|
| Battery   | Rated Battery Voltage | 24  | 36                          | 48   | 72 | 72   | 96 |
|           | Number of batteries   | 8   | 12                          | 8    | 12 | 12   | 8  |
|           | Battery type          | 12V / 7Ah or 9Ah<br>(Sealed, non-spillage, maintenance-free, lead acid) |                             |      |    |      |    |
| Connector | N/A                   | Anderson  |                             |      |    |      |    |
| Physical  | Dimensions            | 2U high   | 440x88x655 / 17.3x3.5x25.9  |      |    |      |    |
|           | ((WxHxD in mm))       | 4U high   | 440x176x410 / 17.3x6.9x16.2 |      |    |      |    |

