

ARES Plus RT Series DSP-Controlled On-Line UPS

ARES PLUS RT 1000VA~3000VA



- True On-line Double Conversion Topology
- Advanced DSP Control Technology
- Rack / Tower Convertible
- 0.9 Output Power Factor
- Wide Input Voltage Range
- Active Harmonic Current Control
- LCD/LED Display
- Patent Backup Runtime Estimation
- Multiple Operation Mode
- Remote Emergency Power Off (REPO)
- Remote On Off control (ROO)
- Optional Programmable Outlets
- Easy Firmware Flash Upgrade



■ 120V ARES PLUS RT 1000.1500VA



■ 120V ARES PLUS RT 2000VA



■ 120V ARES PLUS RT 3000VA



■ 230V ARES PLUS RT 1000VA



■ 230V ARES PLUS RT 2000VA



■ 230V ARES PLUS RT 3000VA

Specifications

| Model | ARES PLUS RT 1000 | | | ARES PLUS RT 2000 | | | ARES PLUS RT 3000 | | | |
|----------------------------------------|---------------------------|----------------------------------------------------------------------------------------|----------------|-------------------|---------------------------------------------------|----------------|-------------------|---------------------------------------------------|--|--|
| Input | Phase | Single + G | | | | | | Single + G | | |
| | Voltage Range** | 110~300Vac | | | | | | 55~150 Vac | | |
| | Frequency Range | 45-65Hz (Auto sensing) | | | | | | 44-66Hz (Auto sensing) | | |
| | Input Power Factor | ≥0.99 @ 100% linear load | | | | | | ≥0.99 @ 100% linear load | | |
| | Capacity** | 1000VA/900W | 2000VA/1800W | 3000VA/2700W | 1000VA/900W | 1500VA/1350W | 2000VA/1800W | 3000VA/2700W | | |
| Output | Output Voltage | 220/230/240 Vac | | | | | | 100/110/115/120 Vac | | |
| | Output Power Factor | 0.9 | | | | | | 0.9 | | |
| | Output Voltage Distortion | <3% @ 100% Linear load <7% @ 100% non-linear load | | | | | | <3% @ 100% Linear load <7% @ 100% non-linear load | | |
| | Output Voltage Regulation | ±1% | | | | | | ±1% | | |
| | Frequency Range | ±1Hz or ±3Hz (Selectable) | | | | | | ±1Hz or ±3Hz (Selectable) | | |
| Efficiency | Crest Factor | 3:1 | | | | | | 3:1 | | |
| | Output Waveform | Pure Sine Wave | | | | | | Pure Sine Wave | | |
| | Line Mode | Up to 92% | | | | | | Up to 92% | | |
| Battery | High Efficiency Mode | Upt to 97% | | | | | | Upt to 97% | | |
| | Capacity | 12Vdc/7Ah | | | 12Vdc/9Ah | | | 12Vdc/9Ah | | |
| | Battery Number | 3 | 6 | 6 | 2 | 3 | 4 | 6 | | |
| | Battery Voltage | 36 | 72 | 72 | 24 | 36 | 48 | 72 | | |
| | Recharge Time (to 90%) | 4 hours | | | | | | | | |
| Display | LCD measures | Voltage / Frequency / Load level / Battery level / Output current / Estimated autonomy | | | | | | | | |
| | 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 | | | | | | | | |
| Physical | Programmable Outlet | Option | | | Yes | | | | | |
| | Dimensions | 440 x 88 x 405 | 440 x 88 x 600 | 440 x 88 x 600 | 440 x 88 x 405 | 440 x 88 x 405 | 440 x 88 x 485 | 440 x 88 x 600 | | |
| | (WxHxD, mm/inch) | 17.3x3.5x16.0 | 17.3x3.5x23.6 | 17.3x3.5x23.6 | 17.3x3.5x16.0 | 17.3x3.5x16.0 | 17.3x3.5x19.1 | 17.3x3.5x23.6 | | |
| | Net Weight (kgs/lbs) | 11.7/25.8 | 21.8/48.1 | 24.6/54.2 | 11/24.2 | 14.5/32 | 21/46 | 27/59.5 | | |
| | Operation Temperature | 0~40°C / 32~104°F | | | | | | | | |
| Environmental | Operation Humidity | 20%~95%RH (Without condensing) | | | | | | | | |
| | Altitude | 1000m/3280ft without Derating | | | | | | | | |
| | Noise Level | ≤50dBA @ 1 meter front | | | | | | | | |
| Interface | Standard | RS-232, EPO | | | RS-232, USB, EPO | | | | | |
| | Option | USB, RS-485 (Modbus), Dry Contact Relay, SNMP/WEB Card | | | RS-485 (Modbus), Dry Contact Relay, SNMP/WEB Card | | | | | |
| | Compatible Platforms | Microsoft Windows series, Linux, Mac, etc. | | | Microsoft Windows series, Linux, Mac, etc. | | | | | |
| Standards and Certifications*** | Safety | EN62040-1 | | | UL1778 | | | | | |
| | EMC | EN62040-2 (C2) | | | FCC Class A | | | | | |
| | Marks | CE | | | cTUVus, FCC | | | | | |

Battery Bank Specifications

| Contents | BC060369 | BC120729 | BC120729 | BC080249 | BC060369 | BC080489 | BC120729 |
|-----------------------|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rated Battery Voltage | 36 | 72 | 72 | 24 | 36 | 48 | 72 |
| Number of batteries | 6 | 12 | 12 | 8 | 6 | 8 | 12 |
| Battery type**** | 12Vdc / 7Ah | | | | | | |
| Dimensions (WxHxD) | mm | 440 x 88 x 430 | 440 x 88 x 581 | 440 x 88 x 581 | 440 x 88 x 430 | 440 x 88 x 430 | 440 x 88 x 581 |
| | inch | 17.3 x 3.5 x 16.9 | 17.3 x 3.5 x 22.9 | 17.3 x 3.5 x 22.9 | 17.3 x 3.5 x 16.9 | 17.3 x 3.5 x 16.9 | 17.3 x 3.5 x 22.9 |
| Weight | kgs | 20 | 34.2 | 37.8 | 27.2 | 27.2 | 37.8 |
| | lbs | 44.1 | 75.4 | 83.3 | 60 | 60 | 83.3 |

* Specifications subject to change without notice.

** Based on load percentage.

*** The same technical specification products could be sold as different model names in different countries, please consult Ablerex for more information.

**** Battery capacity can be changed

