

Ares Plus Tower Series

DSP-Controlled On-line

ARES PLUS 1000VA~3000VA & ARES PLUS X 2000VA~3000VA



- True On-line Double Conversion Topology
- Advanced DSP Control Technology
- 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



■ ARES PLUS 1000



■ ARES PLUS 2000



■ ARES PLUS 3000

■ ARES PLUS 3000E



■ ARES PLUS 2000X

■ ARES PLUS 3000X

Specifications

| Model | ARES PLUS 1000 | ARES PLUS 2000 | ARES PLUS 3000 | ARES PLUS 3000E | ARES PLUS 2000X | ARES PLUS 3000X | |
|--|---------------------------|----------------|-------------------|------------------|------------------|-------------------|---|
| Input | Phase | | | | | | Single + G |
| | Voltage Range** | | | | | | 110~300Vac |
| | Frequency Range | | | | | | 45-70Hz (Auto sensing) |
| | Input Power Factor | | | | | | >0.99 @ 100% linear load |
| Output | Capacity | 1000VA/900W | 2000VA/1800W | 3000VA/2700W | 2000VA/1800W | 3000VA/2700W | |
| | Output Voltage | | | | | | 208/220/230/240 Vac |
| | Output Power Factor*** | | | | | | 0.9 |
| | Output Voltage Distortion | | | | | | <2% @ Linear load |
| | Output Voltage Regulation | | | | | | ±1% |
| | Frequency Range | | | | | | ±1Hz or ±3Hz (Selectable) |
| | Crest Factor | | | | | | 3:1 |
| Efficiency | Output Waveform | | | | | | Pure Sine Wave |
| | Line Mode | | | | | | Up to 92% |
| | High Efficiency Mode | | | | | | Up to 97% |
| Battery | Battery Type | | | | | | Sealed Lead Acid Maintenance Free 12Vdc 7AH or 9AH |
| | Battery Number | 3 | 6 | 6 | 8 | 12 | |
| | Battery Voltage | 36 | 72 | 72 | 96 | 72 | |
| | Recharge Time (to 90%) | | | | | | 4 hours |
| Display | LED Standard | | | | | | Load Level/Battery Level/Battery Mode/Normal Mode/Bypass Mode/Self-Test/Weak/Bad Battery/Site Wiring/Fault/Overload |
| | LCD Option | | | | | | 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 |
| | Programmable Outlet | | | | | | Yes |
| Physical | Dimensions (WxHxD) mm | | 152 x 211 x 382.4 | 192 x 250 x 470 | 192 x 250 x 525 | 192 x 320 x 486 | 192 x 320 x 553 |
| | inch | | 6.1 x 8.3 x 15.1 | 7.6 x 9.8 x 18.5 | 7.6 x 9.8 x 20.7 | 7.6 x 12.6 x 19.1 | 7.6 x 12.6 x 21.8 |
| | Net Weight kgs | | 11.6 | 22.2 | 25.4 | 35.2 | 42.4 |
| | lbs | | 25.6 | 48.9 | 56.0 | 77.6 | 93.5 |
| Environmental | Operation Temperature | | | | | | 0~40°C / 32~104°F |
| | Operation Humidity | | | | | | 0%~95%RH (Without condensing) |
| | Altitude | | | | | | 1000m/3280ft without Derating |
| | Noise Level | | | | | | ≤50dBA @ 1 meter front |
| | Standard | | | | | | RS232, USB, EPO |
| Interface | Option | | | | | | RS-485 (Modbus), Dry Contact Relay, SNMP/WEB Card |
| | Compatible Platforms | | | | | | Microsoft Windows series, Linux, Mac, etc. |
| | Safety | | | | | | EN62040-1, UL1778 |
| Standards and Certifications*** | EMC | | | | | | EN62040-2, EN61000-3-2, EN61000-3-3, FCC class A |
| | Marks | | | | | | CE, cTUVus |

Battery Packs Specifications

| Contents | BT08024X | BT06036X | BT08048X | BT12072X | BT18072X | BT16096X | |
|--|----------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Battery Voltage | 24 | 36 | 48 | 72 | 72 | 96 | |
| Number of batteries | 8 | 6 | 8 | 12 | 18 | 16 | |
| Battery type* | | | | | | | |
| Lead Acid Maintenance Free 12V 7Ah/9Ah | | | | | | | |
| Dimensions (WxHxD) | mm | 171 x 287.6 x 440.6 | 154 x 258.2 x 403.6 | 171 x 287.6 x 440.6 | 192 x 319.9 x 552.8 | 192 x 319.9 x 552.8 | 192 x 319.9 x 552.8 |
| | inch | 6.7 x 11.3 x 17.3 | 6.1 x 10.2 x 15.9 | 6.7 x 11.3 x 17.3 | 7.6 x 12.6 x 21.8 | 7.6 x 12.6 x 21.8 | 7.6 x 12.6 x 21.8 |

* 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 Alerex for more information.

