



# ARES Plus

## DSP-Controlled On-Line UPS

### ARES PLUS TOWER

ARES PLUS tower has got a number of smart features that increase battery life. Thanks to the new Battery Discharge protection control function, it's perfect for medium voltage substations applications.

#### BATTERY DISCHARGE LEVEL CONTROL

- 1) Set your battery discharge percent level (3-100%)
- 2) When UPS is in battery mode, it stops when the set battery discharge level is reached
- 3) UPS will be capable to turn on and discharge battery completely upon subsequent cold start



SERVERS



TELECOM



MEDIUM VOLTAGE  
SUBSTATION

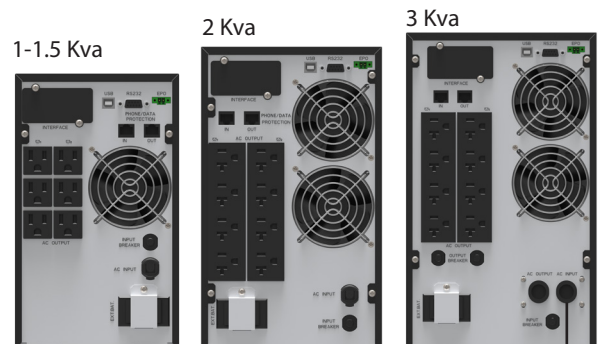


HEALTHCARE



AUDIO/VIDEO

#### Rear View:



#### Highlights:

- 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 Series Specifications

| MODEL                        |                           | AB-ARPLUS1000                                                                          | AB-ARPLUS1500   | AB-ARPLUS2000   | AB-ARPLUS3000         |
|------------------------------|---------------------------|----------------------------------------------------------------------------------------|-----------------|-----------------|-----------------------|
| Input                        | Input Voltage             | 100/110/115/120/127 Vac (user selectable)                                              |                 |                 |                       |
|                              | Voltage Range             | 50~150 Vac                                                                             |                 |                 |                       |
|                              | Frequency Range           | 40~70 Hz (auto sensing)                                                                |                 |                 |                       |
|                              | THDi                      | ≤5%                                                                                    |                 |                 |                       |
| Output                       | Capacity                  | 1000VA/900W                                                                            | 1500VA/1350W    | 2000VA/1800W    | 3000VA/2700W          |
|                              | Output Voltage            | 100/110/115/120/127 Vac                                                                |                 |                 |                       |
|                              | Output Power Factor       | 0.9                                                                                    |                 |                 |                       |
|                              | Output Voltage Regulation | ±1%                                                                                    |                 |                 |                       |
|                              | Frequency Range           | 50/60 Hz ±1Hz or ±3Hz (Selectable)                                                     |                 |                 |                       |
|                              | Crest Factor              | 3:1                                                                                    |                 |                 |                       |
|                              | Output Waveform           | Pure Sine Wave                                                                         |                 |                 |                       |
|                              | Outlets NEMA              | 6 - 5-15R                                                                              | 6 - 5-15R       | 8 - 5-15/20R    | 8 - 5-15/20R 1 L5-30R |
| Efficiency                   | Line Mode                 | Up to 94.5%                                                                            |                 |                 |                       |
|                              | High Efficiency Mode      | Up to 98%                                                                              |                 |                 |                       |
| Battery                      | Battery Number            | 2- 12 Vdc/9 Ah                                                                         | 3- 12 Vdc/9 Ah  | 4- 12 Vdc/9 Ah  | 6- 12 Vdc/9 Ah        |
|                              | Back Up Time: Half/Full   | 5.3/14 min                                                                             |                 |                 |                       |
|                              | Battery Voltage           | 24                                                                                     | 36              | 48              | 72                    |
|                              | Recharge Time (to 90%)    | 3 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 and 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 / Two Outlet Banks via SNMP and/or Autonomous                                      |                 |                 |                       |
| Physical                     | Dimensions (WxHxD, mm)    | 154 x 258 x 404                                                                        | 154 x 258 x 404 | 171 x 288 x 441 | 192 x 320 x 553       |
|                              | Net Weight kgs            | 12.3                                                                                   | 15              | 21.5            | 30.5                  |
| Environmental                | Operation Temperature     | 0~40°C / 32~104°F                                                                      |                 |                 |                       |
|                              | Noise Level               | ≤46 dBA @ 1 Meter Front                                                                |                 |                 |                       |
|                              | Altitude                  | 3000 mts.                                                                              |                 |                 |                       |
|                              | Humidity                  | 0%~95%RH (Without condensing)                                                          |                 |                 |                       |
| Interface                    | Standard                  | RS-232, USB, EPO, ROO                                                                  |                 |                 |                       |
|                              | Option                    | RS-485 (Modbus), Dry Contact Relay, SNMP/WEB Card                                      |                 |                 |                       |
|                              | Compatible Platforms      | Microsoft Windows series, Linux, Mac, HID Compliance, etc.                             |                 |                 |                       |
| Standards and Certifications | Safety                    | UL1778                                                                                 |                 |                 |                       |
|                              | EMC                       | FCC Class A                                                                            |                 |                 |                       |
|                              | Marks                     | cTUVus, FCC                                                                            |                 |                 |                       |

\*Specifications subject to change without notice.

