

On Line Uninterruptible Power Supply

ARTon Alfa Plus Series 1-2-3 kVA



Specifications

- Excellent Efficiency; 1kVA 92%, 2kVA 93% and 3kVA 94%
- Output power factor: 1, "Pure Active Power"
- True double conversion online UPS technology
- High reliability with microprocessor control
- Wide input voltage range (110V-300VAC)
- Programmable outputs for power management
- 50/60Hz frequency converter mode operation
- More energy saving with ECO mode
- Emergency power off function (EPO)
- Graphic LCD panel
- Simultaneous use of USB and RS232 with Smart SNMP
- Generator compatible
- Neutral detection function



General Application Areas:



Finance



Medical



Industry

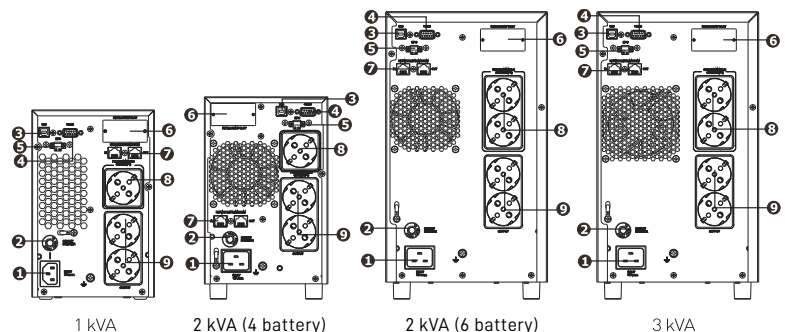


Home/Office

ARTronic Alfa Plus Series 1-2-3- kVA Features

| MODEL | | ARTronic Alfa Plus 1kVA | | ARTronic Alfa Plus 2kVA | | ARTronic Alfa Plus 3kVA | |
|---|---------------------|--|----------------------|-------------------------|----------------------|-------------------------|--|
| Connection Type | | Single phase neutral and ground | | | | | |
| Capacity (VA/Watt) | | 1000 VA / 1000 Watt | | 2000 VA / 2000 Watt | | 3000 VA / 3000 Watt | |
| INPUT | | | | | | | |
| Voltage Range | | 110-300 VAC 3% at 60% load, 160-300 VAC \pm 3% at 100% load | | | | | |
| Frequency Range | | 40 Hz ~ 70 Hz | | | | | |
| Three Factor | | \geq 0.99 at nominal voltage and 100% load | | | | | |
| Current THD % | | \leq 5% @220 VAC-230 VAC I-Input THDU <1.6%, full load and batteries fully charged) | | | | | |
| OUTPUT | | | | | | | |
| Output Voltage and Waveform | | Pure sine wave, 200/208/220/230/240 VAC (in converter mode and output voltage is 200/208 VAC, capacity is reduced to 80%) | | | | | |
| AC Voltage Regulation | | \pm % 1 | | | | | |
| Frequency Range | | 47-53 Hz or 57-63 Hz Network synchronized and adjustable' | | | | | |
| Frequency Range Battery mode | | 50 Hz \pm 0,25 Hz veya 60 Hz \pm 0,3 Hz | | | | | |
| Current Peak Rate | | 3:1 | | | | | |
| Total Harmonic Distortion (THDI) | | 5% \leq 2 THD (linear load & THD non-linear load) | | | | | |
| Transfer Duration | AC to Battery | Zero | | | | | |
| | Inverter to bypass | \leq 4 msn | | | | | |
| | ECO Mode to Battery | 8 msec (typical), 10 msec (maximum) | | | | | |
| Overload (when ambient tem. \leq 35 °C) | | Continuous at 105% Load, 10 minutes at 106%-110% Load, 30 seconds at 111%-130% Load, 3 seconds at 130% Load | | | | | |
| EFFICIENCY | | | | | | | |
| AC Mode | | % 92 | | % 93 | | % 94 | |
| Battery Mode | | % 88 | | % 89 | | % 91 | |
| BATTERY | | | | | | | |
| Standard Model | Battery Type | 12V / 9 AH | 12V / 7 AH | 12V / 9 AH | 12V / 7 AH | 12V / 9 AH | |
| | Number | 2 | 3 | 4 | 6 | 6 | |
| | Recharge Time | 4 hours to reach 90% capacity | | | | | |
| | Charging Current | 1,5 A | | | | | |
| | Charging Voltage | 27,4 VDC \pm % 1 | 41,1 VDC \pm % 1 | 54,7 VDC \pm % 1 | 82,1 VDC \pm % 1 | 82,1 VDC \pm % 1 | |
| Long Backup Model | Battery Type | Varies depending on external battery capacity | | | | | |
| | Number | 2 | 3 | 4 | 6 | 6 | |
| | Charging Current | 1A/2A/4A/6A/8A (adjustable via LCD panel) | | | | | |
| | Charging Voltage | 27,4 VDC \pm % 1 | 41,1 VDC \pm % 1 | 54,7 VDC \pm % 1 | 82,1 VDC \pm % 1 | 82,1 VDC \pm % 1 | |
| INDICATORS | | | | | | | |
| LCD | | UPS status, load level, battery level, input/output voltage, discharge time indicator and fault status Audio warning in 5 second periods | | | | | |
| Alarm | | | | | | | |
| Battery Mode | | Audible warning in 5-second periods | | | | | |
| Low Battery | | Audible warning in 2-second periods | | | | | |
| Overload | | Audible warning in 1-second periods | | | | | |
| Bypass Mode | | Audible warning in 10-second periods | | | | | |
| Fault | | Continuous warning | | | | | |
| Physical Characteristics | | | | | | | |
| Standard Model Battery Powered | Dimensions, WxHxD | 145 x 220 x 282 (mm) | 145 x 220 x 397 (mm) | 145 x 220 x 397 (mm) | 190 x 318 x 421 (mm) | 190 x 318 x 421 (mm) | |
| | Net Weight (kg) | 9,8 | 11,4 | 17 | 22,5 | 26,2 | |
| Long Term Model | Dimensions, WxHxD | 145 x 220 x 282 (mm) | | | | 190 x 318 x 300 (mm) | |
| | Net Weight (kg) | 4,1 | 4,4 | 6,8 | 6,8 | 7,6 | |
| Environment | | | | | | | |
| Moisture | | 20 - 90% relative humidity (non-condensing) | | | | | |
| Heat | | 0 - 50 °C | | | | | |
| Noise Level | | Load dependent fan speed control less than 50dBA at 1 meter | | | | | |
| Communication | | | | | | | |
| Smart RS-232 or USB | | Supports Windows® XP/Vista/7/8/10/11, Linux, Unix and MAC software | | | | | |
| SNMP (optional) | | Power management via SNMP and web page | | | | | |

* All features listed above are provided for reference only. The right to change without notice to third parties is reserved. ARTronic Elektronik San. Mum. Tic. A.Ş.



1. AC Input
2. Input Insurance
3. USB Communication Port
4. RS232 Portu
5. EPO Port
6. SNMP Socket
7. Modem/Tel/Network Current Protection
8. Programmable Output Sockets
9. Standard Output Sockets

ARTronic®

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