

# Alpha Micro 350

Rugged Outdoor UPS System



- Compact, integrated UPS system designed to operate in extreme environments and provide maximum flexibility while ensuring critical loads remain protected and running during power outages and other power disturbances
- Up to 11 hours backup time at full load (350W) for extended system continuity
- NEMA 3R rated enclosure for superior performance in outdoor applications
- Dual AC and DC output, including 120VAC, 24VAC, 12VDC, 24VDC or 48VDC
- Wide range Automatic Voltage Regulation (AVR) lengthens battery life by providing protection without transferring to backup mode during voltage surge or sag
- Local and remote monitoring and control via USB port and Ethernet SNMP interface
- Temperature compensated battery charging automatically adjusts charge voltage extending the life of the battery

**The Alpha Micro 350 is part of the Alpha Micro Series. Products of the Micro Series are rugged, compact, all-in-one UPS solutions used worldwide where clean backup power is needed.**

Designed to perform in the most extreme demanding environments, Alpha Micro units ensure equipment in security, communications, public utilities, industrial environments and many other critical applications remain safe and protected from power disturbances.

The Alpha Micro Series gives you the flexibility to grow its enclosure by adding batteries for greater runtime. All models of the Micro Series are available in 120 and 230VAC.

| Electrical                              | Micro 350   | Micro 350XL  | Micro 350XL3   |
|---|---|--|--|
| <b>Battery String Voltage (120VAC):</b> | 48 or 24VDC   | 48 or 24VDC  | 48 or 24VDC  |
| <b>Battery String Voltage (230VAC):</b> | 24VDC   | 24VDC  | 24VDC  |
| <b>Input (120VAC Models Only)</b>       |   |  |  |
| <b>Nominal Voltage:</b>                 | 120VAC (Voltage range w/o transferring to battery mode: 88 to 152VAC)         |  |  |
| <b>Current:</b>                         | 5.7A  | 6.2A   | 7.2A   |
| <b>Frequency:</b>                       | 60/50Hz $\pm$ 5% (auto-detection)   | 60/50Hz $\pm$ 5% (auto-detection)  | 60/50Hz $\pm$ 5% (auto-detection)  |
| <b>Input (230VAC Models Only)</b>       |   |  |  |
| <b>Nominal Voltage:</b>                 | 230VAC (Voltage range w/o transferring to battery mode: 151 to 282VAC)        |  |  |
| <b>Current:</b>                         | 2.7A  | 3.2A   | 3.6A   |
| <b>Frequency:</b>                       | 60/50Hz $\pm$ 5% (auto-detection)   | 60/50Hz $\pm$ 5% (auto-detection)  | 60/50Hz $\pm$ 5% (auto-detection)  |
| <b>Output (120VAC Models Only)</b>      |   |  |  |
| <b>Waveform:</b>                        | Pure sinewave   | Pure sinewave  | Pure sinewave  |
| <b>Nominal Voltage:</b>                 | Dual 120VAC, 24VAC  | Dual 120VAC, 24VAC   | Dual 120VAC, 24VAC   |
| <b>Voltage Regulation:</b>              | $\pm$ 10%   | $\pm$ 10%  | $\pm$ 10%  |
| <b>Power (@ 50°C):</b>                  | 350W/VA total<br><b>24VAC:</b> 260W/VA (max), <b>120VAC:</b> 350W/VA (max)    | 350W/VA total<br><b>24VAC:</b> 260W/VA (max), <b>120VAC:</b> 350W/VA (max) | 350W/VA total<br><b>24VAC:</b> 260W/VA (max), <b>120VAC:</b> 350W/VA (max) |
| <b>Frequency:</b>                       | Output frequency = Input frequency  | Output frequency = Input frequency   | Output frequency = Input frequency   |
| <b>Output (230VAC Models Only)</b>      |   |  |  |
| <b>Waveform:</b>                        | Pure sinewave   | Pure sinewave  | Pure sinewave  |
| <b>Nominal Voltage:</b>                 | 230VAC, 24VAC   | 230VAC, 24VAC  | 230VAC, 24VAC  |
| <b>Voltage Regulation:</b>              | $\pm$ 10%   | $\pm$ 10%  | $\pm$ 10%  |
| <b>Power (@ 50°C):</b>                  | 350W/VA total<br><b>24VAC:</b> 260W/VA (max), <b>230VAC:</b> 350W/VA (max)    | 350W/VA total<br><b>24VAC:</b> 260W/VA (max), <b>230VAC:</b> 350W/VA (max) | 350W/VA total<br><b>24VAC:</b> 260W/VA (max), <b>230VAC:</b> 350W/VA (max) |
| <b>Frequency:</b>                       | Output frequency = Input frequency  | Output frequency = Input frequency   | Output frequency = Input frequency   |
| <b>Mechanical</b>                       |   |  |  |
| <b>Dimensions H x W x D (in/mm):</b>    | 19.7 x 14.1 x 11.6 / 500 x 358 x 294  | 30.6 x 14.1 x 11.6 / 776 x 358 x 294                                       | 52.4 x 14.1 x 11.6 / 1330 x 358 x 294                                      |
| <b>Weight w/o Batteries (lb/kg):</b>    | 56 / 25   | 65 / 29  | 74 / 33  |
| <b>Environmental</b>                    |   |  |  |
| <b>Operating Temperature Range:</b>     | -40 to 165°F (-40 to 74°C), power derated above 122°F (50°C)                  |  |  |
| <b>Audible Noise (@ 25°C):</b>          | <45dBa @ 1m (39in)  |  |  |
| <b>Performance</b>                      |   |  |  |
| <b>Typical Output Voltage (THD):</b>    | <3%   |  |  |
| <b>Typical Efficiency Line Mode:</b>    | >96%  |  |  |
| <b>Typical Transfer Line:</b>           | <5ms  |  |  |
| <b>Agency Compliance</b>                |   |  |  |
| <b>Electrical Safety:</b>               | UL1778, CSA C22.2 No. 107.3, EN62040-1  |  |  |
| <b>Marks:</b>                           | CSA, CE (230VAC models only)  |  |  |
| <b>EMC:</b>                             | CFR47, Part 15 Subpart B, Class A, CES-003, Issue 4, Class A, EN62040-2: 2006 |  |  |



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