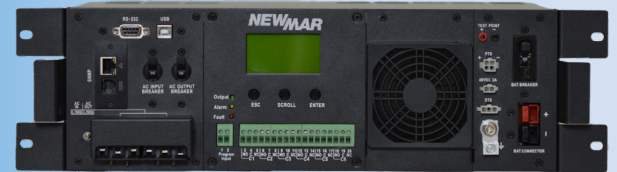
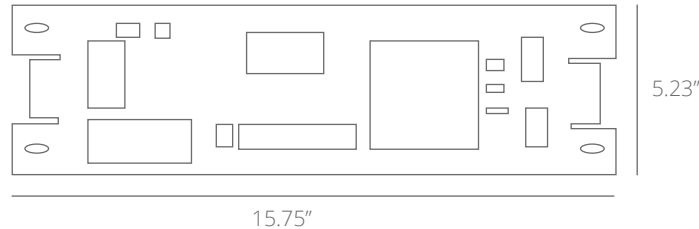


## THE PERFECT FIT RUGGED AC UPS

The Rugged AC UPS is a drop-in replacement and an enhanced upgraded solution to industry standard UPS products, like the Alpha FXM UPS series, offering **The Perfect Fit** in any application.



The Rugged AC UPS series is part of Newmar's line of reliable uninterruptible power supplies designed to keep critical electrical infrastructure safe and running during utility grid failures and brownouts. Made for Intelligent Transportation Systems (ITS)/traffic, telecommunications, & public safety industries, the UPS series is a reliable solution for all indoor or outdoor applications where loss of power is unacceptable or carries a high cost.



## KEY FEATURES

- Wide range of Automatic Voltage Regulation (AVR)
- Temperature compensated charging
- Fast transfer time < 5ms typical
- SNMP network card, RS-232 and USB ports included
- LCD screen for quick access to system diagnostics
- Front panel connections for easy install
- Forced air cooled with fan filter (field replaceable)
- Alarm contacts (six sets)
- 19" rack or cabinet mounting
- AC Wiring: hard wired AC input/output

## ELECTRICAL SPECIFICATIONS

<b>Input Voltage Range</b>	88 - 152V AC, User Programmable. Default set @ 100 - 130V AC	<b>Output Short Circuit Protection</b>	Output breaker/electronic current limit/firmware
<b>Transfer time (typical)</b>	UPS Mode: 5ms Normal Mode: 20ms Generator Mode: 25ms	<b>Surge Capacity</b>	200% * rated power for 5 secs
<b>Site Fault Detection</b>	Yes	<b>Back Feed Protection</b>	Yes
<b>Efficiency (Line Mode)</b>	95% typical	<b>Charging Current</b>	2A/4A/6A/8A/10A adjustable
<b>Output Waveform</b>	Pure sine wave	<b>Charging Algorithm</b>	3 step
<b>Nominal Output Voltage</b>	120V AC, +/- 5%	<b>Operating Temperature</b>	-40° to 80° C
<b>Output Frequency</b>	50/60 Hz +/- 0.1%	<b>Storage Temperature</b>	-50° to 80° C
<b>Nominal DC Voltage</b>	48V DC (2000V A and 1200V A) 24V DC (700V A)	<b>Relative Humidity</b>	5 to 95% non-condensing
<b>Low DC Voltage Warning</b>	42 - 55V DC (adjustable)	<b>Audible Noise</b>	< 53dB
<b>No Load Power Consumption</b>	28 watts at rated nominal DC Voltage	<b>Cooling</b>	Forced air, field replaceable fan and filtered
<b>THD (Bat. Mode)</b>	<3% (full resistive load)	<b>EMI</b>	Class A FCC/CISPR [EN50091-2: 1995]
<b>Load Crest Factor</b>	3:1 @ rated load	<b>Surge Protection</b>	IEEE/ANSI C.62.41 & 2KV, L-N
<b>Overload Protection</b>	5s @ ≥ 125 - 150% load 60s @ 110 - 125% load	<b>Certifications</b>	UL 1778/CSA 107.3 EMC FCC Part 15A

## DIMENSIONS

MODEL	INPUT VOLTAGE	OUTPUT VA/WATTS (CONTINUOUS)	POWER FACTOR	NOMINAL BATTERY VOLTAGE	DIMENSIONS (H x W x D)	WEIGHT	Alpha FXM Replacement
AC-UPS-24-700	120V AC	700/700	1	24V DC	5.23" x 15.75" 9.45"	23 lbs	Alpha FXM 650
AC-UPS-48-1200	120V AC	1200/1200	1	48V DC	5.23" x 15.75" 9.45"	28.6 lbs	Alpha FXM 1100
AC-UPS-48-2000	120V AC	2000/1600	0.8	48V DC	5.23" x 15.75" 9.45"	28.6lbs	Alpha FXM 2000