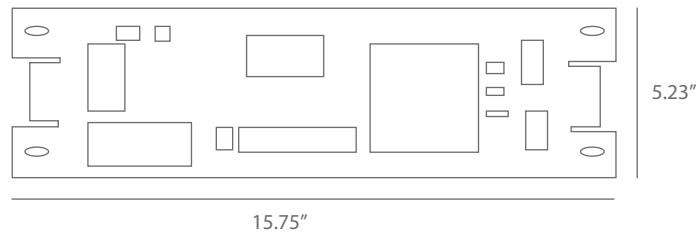


THE PERFECT FIT RUGGED AC UPS

The Rugged AC UPS is a drop-in replacement and an enhanced upgraded solution to industry standard UPS products 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

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