



General/Environmental

Temperature	Operating: 0° to 55° C Storage: -10° to 70° C
Humidity	0 - 95%, Non-condensing
Cooling	Front and side forced air intake (100 CFM) with rear exhaust.
Altitude	Operating: 6,500 Ft (1,981m) Storage: 40,000 Ft (12,192 m)
Heat Dissipation	800BTU/ hr (Full kW Load)
Audible Noise	65 dba Max @ 1 Meter
Agency Approvals	Safety UL 61010 -1 EN 61010 -1 EMC EN 61326 -1

Mechanical Specifications

Height	108AMX: 3U (5.25", 133mm)
Depth	108AMX: 23" (584mm) (Approx. from front panel to the rear of chassis.)
Weight	108AMX: 70 lbs (31.8kg) 108AMXT: 97 lbs (44kg)
Mounting	Standard 19" rack (483mm). Cabinet options available.

Hardware Options

/S	RS232 Interface. 38.4kbps, (Standard on UPC-3)
/G	GPIO Interface, IEEE-488.2. (Standard on UPC-32)
/M7073	Safety Interlock Normally Open Contacts
/M99413	Safety Interlock Normally Closed Contacts
/MXXXX	Other factory specified modification

Protection and Safety

Hardware	Over-current, short circuit, over-temperature
Programmable Current Limit	A single RMS programmed, average responding, value is provided for all phases. Limits current by reducing output voltage.
Programmable Current Protect	Allows the power source to operate in "constant voltage" mode, interrupting output when specified current protect limit is exceeded.

Software/Firmware Options

/Prog-Z	Programmable Output Impedance
/HAS	Harmonic Analysis and Synthesis
/IR	In-Rush Meter. Capture and view peak in-rush current values via front panel or remote interface (UPC-1 only).
Test MGR	UPC Test Manager License: Create, edit, and execute Test sequences and reports. Ordered as separate line item
Test SEQ	Avionics test sequences; DO-160, ABD-0100, ABD-0100 (A350), Ordered as separate line item, Requires 'Test' Manager License.

Ordering Information

Model	Controller	Options	T-Ratio (108AMXT Only)	Input Voltage (V_{IN})
<input type="checkbox"/> 108AMX	<input type="checkbox"/> UPC-1M	See List Above	<input type="checkbox"/> Ratio 1.5:1	<input type="checkbox"/> 110VAC ± 10%
<input type="checkbox"/> 108AMXT	<input type="checkbox"/> UPC-1		<input type="checkbox"/> Ratio 2.0:1	<input type="checkbox"/> 120VAC ± 10%
	<input type="checkbox"/> UPC-12		<input type="checkbox"/> Ratio 2.5:1	<input type="checkbox"/> 220VAC ± 10%
				<input type="checkbox"/> 230VAC ± 10%
				<input type="checkbox"/> 240VAC ± 10%

Available Models

With Manual Controller

108AMX-UPC1M
108AMXT-UPC1M

With Programmable Controller

108AMX-UPC1 108AMXT-UPC1
108AMX-UPC12 108AMXT-UPC12

Order Example

108AMXT-UPC12, T= 2.0:1, V_{IN} : 120VAC

- 750VA, 1-Phase, AC Power Source with optional transformer and UPC-12 programmable controller.
- Standard GPIB Interface
- 2.0:1 Transformer Ratio
- 120VAC, 1 Phase Input Voltage

Typical Delivery Items

- AC Power Source
- English Manuals (AC Source and Controller)
- UPC Studio Software - (Download)
- UPC Interactive LabVIEW™ Libraries (Download)
- Compliance Certificate with Test data
- CE Conformity Document (CE Models)



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