

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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MAX-750 Multiple Output

NON-STOCK ITEM; SPECIAL ORDER ONLY
NOT FOR NEW DESIGNS



FEATURES:

- Over 4 watts/in^3 power density
- 80% overall efficiency
- VMEbus and Multibus II system compatibility
- Meets international safety agency requirements
- All outputs fully regulated ±1%
- High peak current for motor starting
- Ac automatic line selection option

SPECIFICATIONS:

INPUT

Ac Input: 90-132 Vac/180-264 Vac, 47 to 63 Hz. User selectable. See option "A" for automatic line selection. Internally fused for 15 A.
Inrush: Cold start ac current is less than 90 A at 115 Vac and 30 A at 230 Vac. Limited by thermistor.
Holdup Time: 16 ms minimum after removal of power, at nominal line, full load.
Efficiency: 80% typical.
Brownout Protection: Holds regulation to 85 Vac or 170 Vac.

OUTPUT

Adjustability: User adjustable ±5% minimum.
Line & Load Reg: ±1% over ac input range and 0 to 100% load change. Output #1 requires minimum load of 10%.
Ripple & Noise: Less than 1% p-p or 100 mV, whichever is greater.
Remote Sense (Output #1): Compensates for 250 mV total line drop. Open sense lead protection.
Temperature Coefficient: 0.02% per degree C.
Stability: 0.1% over 8 hours after 30 minutes warm-up.
Transient Response (Output #1): Output voltage returns to within 1% in less than 500 µs for a 50% load change. Peak transient does not exceed 5%.
Overload Protection: All outputs are protected against overload and short circuit. Automatic recovery upon removal of fault.
Overvoltage Protection (Output #1): Protects load against power supply induced overvoltage. Trip point is factory set so that output voltage cannot exceed 136% of nominal.
Remote Inhibit: Contact closure to the negative sense line drops output power to nominal zero.
Reverse Voltage: Protected against reverse voltage up to supply current rating.

ENVIRONMENTAL

Thermal Protection: Shuts down power supply if overheated. Automatic recovery.
Temperature Range: 0° to 50°C at full ratings. Derate to half power at 70°C.
Safety Agencies: Most models are approved to UL1950; CSA 22.2 #234; IEC 950 and TÜV EN60950, Class 1 SELV., CE 72/23/EEC/93/68EEC (low voltage directive).

Conducted RFI: Meets FCC Part 15, Subpart J, Class A; EN55022 Class B; CISPR 22 Class B.
Cooling: 30 cfm required to achieve full ratings.
Output Isolation: Isolated from ground 50 Vdc.

OPTIONS:

Option "A", Ac Auto-Range: Automatically selects proper ac line voltage range to enable power operation at either 115 or 230 Vac without user intervention.
Option "P", Ac Power Fail: Provides TTL "0" 5 ms before output voltage goes out of regulation band upon loss of ac power. VMEbus compatible, provides 48 mA sink current capability. Not available if option "G" is selected.

AC INPUT

FUNCTION	115 VAC*	230 VAC	CONNECTOR
Input Select	Short	Open	0.250 Male Faston
TB1-(L)	Line	Line 1	Barrier strip
TB1-(N)	Neutral	Line 2	#6-32 screws 3/8 centers
TB1-(GND)	Safety Ground	Safety Ground	

DC OUTPUT

FUNCTION	LOCATION	NOTES	CONNECTOR
Output #1	Terminal marked +V	Main output	Bus bars
	Terminal marked COM	Rtn (common)	#1/4-20 screws
Output #2	TB2-3		Barrier strip
	TB2-4	Rtn (common)	#6-32 screws
Output #3	TB2-5		3/8" centers
	TB2-4	Rtn (common)	
Output #4	TB2-1	(+)	
(If provided)	TB2-2	(-)	

*Rtn connected to common only if output is polarized in product

STATUS AND CONTROL

FUNCTION	LOCATION	NOTES	CONNECTOR
Remote Sense	J1-1 (+S)	Output #1 Sense	AMP MTA type
	J1-2 (-S)	Output #1 Sense Rtn	#640456-4 pin
Ac Power Fail or Dc Power Good*	J1-3 (PF)	Reference to J1-2	header (locking)
Inhibit	J1-4(1H)	Short to J1-2	

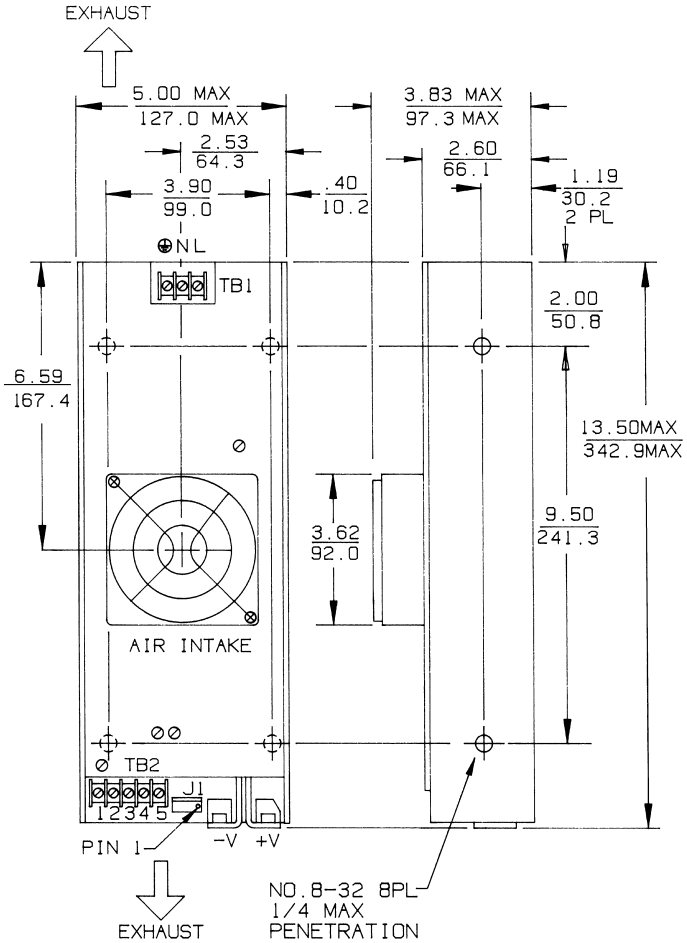
*Optional function

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MAX-750 Multiple Output

Commercial Model	Power Out	Output No.	Output	Current	Total Regulation
MAX-754-1205P	750	1	+5 V	120 A	1%
MAX-754-1205AP		2	+12 V	12/20 A pk	1%
		3	-12 V	10 A	1%
		4	5.2 V	2 A	1%

MAX-750 MECHANICAL SPECIFICATIONS:



Dimensions: Inches
Millimeters

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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