



Unit 14, The Bridge, Beresford Way
 Chesterfield, Derbyshire, S41 9FG, UK
 T e l : + 44 (0) 1246 452909
 F a x : + 44 (0) 1246 452942
 W e b : w w w . e t p s . c o . u k
 E m a i l : s a l e s @ e t p s . c o . u k
 S a l e s : 0800 612 95 75

EAC-MT-1P

Single Phase Motor Driven AC Source

Description

The EAC-MT series of rack mounting AC Sources are based on a motor driven transformer with galvanic isolation. The output voltage is programmable with a speed of 100V/sec. The regulation and adjustment accuracy is 1.5%. This figure can be optionally improved to 0.5% if required. A number of computer interfaces are available. These include IEEE488.2, RS232, RS485 & USB. For users looking for analogue control a choice of either standard or isolated versions are available at 0-5Vdc or 0-10Vdc. Where the output frequency is required to be the same as the input frequency the EAC-MT is a cost effective and technically excellent solution. The units can be modified to meet particular applications.



- Standard or isolated analogue interfaces
- Choice of computer interfaces
- Simple front panel operation
- Fast setting speed
- Good regulation

Selection Table

Part Number	Power	Output Voltage	Current	Dimensions (Width x Height x Depth)
EAC-MT 2705	1350 VA	0 - 270 VAC	5 A	19" x 4U x 440mm
EAC-MT 2706	1620 VA	0 - 270 VAC	6 A	19" x 6U x 440mm
EAC-MT 2708	2160 VA	0 - 270 VAC	8 A	19" x 6U x 440mm
EAC-MT 27010	2700 VA	0 - 270 VAC	10 A	19" x 10U x 440mm
EAC-MT 27012	3240 VA	0 - 270 VAC	12 A	19" x 10U x 440mm
EAC-MT 27014	3780 VA	0 - 270 VAC	14 A	19" x 10U x 440mm
EAC-MT 27016	4320 VA	0 - 270 VAC	16 A	19" x 10U x 440mm
EAC-MT 27018	4860 VA	0 - 270 VAC	18 A	19" x 10U x 440mm
EAC-MT 27020	5400 VA	0 - 270 VAC	20 A	19" x 10U x 440mm
EAC-MT 27022	5940 VA	0 - 270 VAC	22 A	19" x 10U x 440mm
EAC-MT 27025	6750 VA	0 - 270 VAC	25 A	19" x 10U x 440mm
EAC-MT 27030	8100 VA	0 - 270 VAC	30 A	19" x 12U x 600mm
EAC-MT 27035	9450 VA	0 - 270 VAC	35 A	19" x 12U x 600mm
EAC-MT 27040	10,800 VA	0 - 270 VAC	40 A	19" x 16U x 600mm
EAC-MT 27045	12,100 VA	0 - 270 VAC	45 A	19" x 16U x 600mm
EAC-MT 27050	13,500 VA	0 - 270 VAC	50 A	19" x 16U x 600mm

Different output ranges and application/user specific options are possible. Please contact ET to discuss your requirements.



sales@etps.co.uk
0800 612 95 75

EAC-MT-1P

Single Phase Motor Driven AC Source

Options Table

Code	Description
/ATE.....	No front panel control or display. Analogue Interface provided as standard
/AI-5.....	0-5V Analogue Interface for all control and measurement functions
/AI-10.....	0-10V Analogue Interface for all control and measurement functions
/ATI-5.....	Isolated 0-5V Analogue Interface for all control and measurement functions
/ATI-10.....	Isolated 0-10V Analogue Interface for all control and measurement functions
/LT.....	IEEE 488.2 Interface with listener and talker functions
/LTRS232.....	RS232 Interface with listener and talker functions
/LTRS485.....	RS485 Interface with listener and talker functions
/LT+LTRS232.....	IEEE 488.2 and RS232 Interfaces with listener and talker functionality
/LT+LTRS485.....	IEEE 488.2 and RS485 Interfaces with listener and talker functionality
/CAN.....	CAN Interface with listener and talker functions
/USB.....	USB Interface with listener and talker functions
/ETH.....	Ethernet interface with listener and talker functions over a LAN
/V300.....	Extended output voltage range 300Vrms
/V380.....	Extended output voltage range 500Vrms (Current output reduces by 40%)
/V500.....	Extended output voltage range 700Vrms (Current output reduces by 50%)
/H.....	19" Handle
/10POT.....	Potentiometer with scale
/H400.....	400Hz operation for 400Hz input supply
/R05.....	0.5% line & load regulation

Technical Data

Input voltage.....	230VAC \pm 10%, 3 x 400VAC \pm 10%
Input frequency.....	47 - 63Hz
Isolation.....	3750 VAC
Digital display for voltage & current.....	3 1/2 digit
Load regulation.....	<1.5% (0.5% option)
Line regulation.....	<1.5% (0.5% option)
Response time.....	<100 V/sec
Protections.....	Over temperature, Short circuit
Display.....	3.5 digits for V and I
Analogue interface.....	Option /AI-5 (0-5V), /AI-10 (0-10V)
Isolated analogue interface.....	Option /ATI-5 (0-5V), ATI-10 (0-10V)
RS 232/RS 485 Interface.....	12 bit
IEEE488.2/GPIB Interface.....	12 bit
CAN interface.....	12 bit
USB interface.....	12 bit
Operating temperature.....	0-50 °C
Operating humidity.....	0-90% (non condensing)
Power derating 50-70 °C.....	-2%/°C
Cooling.....	Forced air front to back
Storage temperature.....	-45 to + 85 °C
Storage humidity.....	0-95% (non condensing)