

# EAC-MT

## SINGLE PHASE MOTOR DRIVEN AC SOURCE



POSITIVE PROBLEM SOLVING **+ =**

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 can be optionally improved to 0.5% if required. A number of computer interfaces are available. These include IEEE488.2, RS-232, RS-485, ethernet & 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

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## HIGHLIGHTED FEATURES

### SD MEMORY CARD

An integrated SD card provides a convenient low cost method of recording and editing complex waveforms, using simple WAV or script files via a PC.

### MODIFICATIONS

Existing platforms can be modified by ETPS's design specialists to meet unusual test needs. Voltage or current outputs can be tailored to suit your requirements.

## SELECTION TABLE

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

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

## TECHNICAL DATA

GENERAL	
Input Voltage	230VAC $\pm$ 10%, 3 $\times$ 400VAC $\pm$ 10%
Input Frequency	47 - 63Hz
Isolation	3750 VAC
Digital Display for Voltage & Current	3 ½ 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]

## OPTIONS

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
/LTRS232	RS232 interface
/LTRS485	RS485 interface
/LT+LTRS232	IEEE 488.2 and RS-232 interfaces
/LT+LTRS485	IEEE 488.2 and RS-485 interfaces
/USB	USB interface
/LAN	Ethernet interface
/SD	Integrated SD memory card slot with data logging facility
/V300	Extended output voltage range 300Vrms
/V380	Extended output voltage range 380Vrms [current output reduces]
/V500	Extended output voltage range 500Vrms [current output reduces]
/H	19" Handle
/10POT	Potentiometer with scale
/H400	400Hz operation for 400Hz input supply
/R05	0.5% line & load regulation

Every effort is made to ensure that the information provided within this technical summary is accurate. However, ETPS Ltd must reserve the right to make changes to the published specifications without prior notice. Where certain operating parameters are critical for your application we advise that they be confirmed at the time of order. ETPS Ltd specialises in modifying its proven platforms to suit your needs. Please contact our office if your requirement is non-standard. Please note that your actual unit may differ from those shown.



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Tel: +44 (0) 1246 452909  
Sales: 0800 612 95 75  
sales@etps.co.uk  
www.etps.co.uk

ETPS Ltd  
Unit 14, The Bridge  
Beresford Way, Chesterfield  
S41 9FG



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