

EAC-MT-3P

THREE PHASE MOTOR DRIVEN AC SOURCE



POSITIVE PROBLEM SOLVING **+ =**

These AC Sources provide a 3 phase output. The standard range goes up to 50A per phase though higher powers are available on request.

The EAC-MT-3P is based around a motor driven transformer with galvanic isolation. This approach is ideal for cost conscious users that do not require frequency adjustment or current limiting. The output voltage level is adjustable and can also be preset and released with a rise time of 100V/sec. The regulation and adjustment accuracy is 1.5% as standard which can be optionally improved to 0.5%. Integrated analogue and computer interfaces are available including GPIB, RS-232, RS-485, CAN, LAN & USB.

- + ATE Versions for Systems Integration**
- + Analogue & Computer Interfaces**
- + All Voltage Ranges Possible**
- + High Current Versions**
- + Digital V & I Display**
- + High 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-3P 2705	3 x 1350VA	3 x 0 - 270 VAC	3 x 0 - 5A	19" x 16U x 600mm
EAC-MT-3P 2706	3 x 1620VA	3 x 0 - 270 VAC	3 x 0 - 6A	19" x 16U x 600mm
EAC-MT-3P 2708	3 x 2160VA	3 x 0 - 270 VAC	3 x 0 - 8A	19" x 16U x 600mm
EAC-MT-3P 27010	3 x 2700VA	3 x 0 - 270 VAC	3 x 0 - 10A	19" x 20U x 600mm
EAC-MT-3P 27012	3 x 3240VA	3 x 0 - 270 VAC	3 x 0 - 12A	19" x 20U x 600mm
EAC-MT-3P 27014	3 x 3780VA	3 x 0 - 270 VAC	3 x 0 - 14A	19" x 20U x 600mm
EAC-MT-3P 27016	3 x 4320VA	3 x 0 - 270 VAC	3 x 0 - 16A	19" x 20U x 600mm
EAC-MT-3P 27018	3 x 4860VA	3 x 0 - 270 VAC	3 x 0 - 18A	19" x 25U x 600mm
EAC-MT-3P 27020	3 x 5400VA	3 x 0 - 270 VAC	3 x 0 - 20A	19" x 25U x 600mm
EAC-MT-3P 27022	3 x 5940VA	3 x 0 - 270 VAC	3 x 0 - 22A	19" x 25U x 600mm
EAC-MT-3P 27025	3 x 6750VA	3 x 0 - 270 VAC	3 x 0 - 25A	19" x 25U x 600mm
EAC-MT-3P 27030	3 x 8100VA	3 x 0 - 270 VAC	3 x 0 - 30A	19" x 34U x 600mm
EAC-MT-3P 27035	3 x 9450VA	3 x 0 - 270 VAC	3 x 0 - 35A	19" x 34U x 600mm
EAC-MT-3P 27040	3 x 10,800VA	3 x 0 - 270 VAC	3 x 0 - 40A	19" x 34U x 780mm
EAC-MT-3P 27045	3 x 12,100VA	3 x 0 - 270 VAC	3 x 0 - 45A	19" x 34U x 780mm
EAC-MT-3P 27050	3 x 13,500VA	3 x 0 - 270 VAC	3 x 0 - 50A	19" x 34U x 780mm

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

TECHNICAL DATA

GENERAL	
Input Voltage	3 × 400VAC ± 10%, 50/60Hz
Isolation	3750 VAC
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
/ETH	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

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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PEOPLE
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ETPS engineer electronic power supply and testing systems. Our problem solving skills provide the spark of innovation to some of the world's leading technology brands.



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