

# EAC-MT-SL

## BENCHTOP MOTOR DRIVEN AC SOURCE



POSITIVE PROBLEM SOLVING **+ =**

The EAC-MT-SL is a series of AC Power Sources conveniently packaged in a desktop case. The high visibility LEDs clearly show the voltage and current being taken from the source.

These units are a cost effective method of providing an adjustable AC output in applications where the frequency does not need to be varied. The output voltage is set quickly and accurately via a motor regulated transformer. The output is galvanically isolated from the input. A variety of analogue and computer interfaces are available should remote control be required.

- + Isolated or Standard Analogue Interfaces
- + Leakage Current Measurement
- + Computer Interface Options
- + Setting Time of 100V/Sec
- + Galvanic Isolation

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## FURTHER DETAILS

The power supply can also be provided with a leakage current measurement function. This gives the user the ability to check the leakage current up to 20mA between the output of the AC Source and the case or line earth of the unit under test.

If the unit is required to be integrated into a cabinet then it can be optionally built as a 6U cassette. If the standard output range is not wide enough please contact ETPS for high voltage versions.

### TECHNICAL DATA

#### GENERAL

Input Voltage	230VAC $\pm$ 10%, 50 / 60Hz
Isolation	3750VAC
Digital Display for Voltage and Current	3½ digit
Regulation	<2.0% [option /R05 for <0.5%]
Response Time	<100 V/sec
Protections	Overtemperature, short circuit
Display	3.5 digits for voltage & current
Interface Analogue	Option /AI-5 [0-5V] or /AI-10 [10V]
Interface Analogue Isolated	Option /ATI-5 [0-5V] or /ATI-10 [10V]
Interface RS-232 / RS-485 / USB	12 Bit (Option /RS232)
Interface CAN	12 Bit (Option /RS485)
Interface IEEE 488.2	12 Bit (Option /LT)
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)

## SELECTION TABLE

Part Number	Max Power	Output Voltage Range	Output Current	Dimensions [ W × H × D ]
EAC-MT-SL 500	500VA	0 - 270Vrms	1.87A	112 × 222 × 360mm
EAC-MT-SL 1000	1000VA	0 - 270Vrms	3.7A	224 × 222 × 360mm

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

## OPTIONS

CODE	DESCRIPTION
/ATE	Without display and manual operation
/LT	IEEE488.2 interface (12 bit resolution)
/LTRS232	RS-232 interface
/LTRS485	RS-485 interface
/LT+LTRS232	IEEE 488.2 & RS-232 interfaces
/LT+LTRS485	IEEE 488.2 & RS-485 interfaces
/AI-5	0 - 5 VDC analogue interface for control and measurement
/AI-10	0 - 10 VDC analogue interface for control and measurement
/ATI-5	Isolated 0 - 5 VDC analogue interface for control and measurement
/ATI-10	Isolated 0 - 10 VDC analogue interface for control and measurement
/USB	USB interface
/ETH	Ethernet interface
/LC	Leakage current measurement 0 - 20mA
/TG	Carrying handle
/10POT	Potentiometer with scale
/AF	Adjustable foot
/ECT	19" × 6 U Unit frame for up to 4 desktop units
/ECS6	19" × 6 U rack for up to 4 euro cassettes
/EP21	6U × 21HP grey blanking plate
/EP42	6U × 42HP grey blanking plate
/6HE	Unit built into a 21HP × 6U eurocassette
/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.



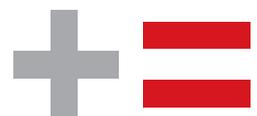
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ETPS engineer electronic power supply and testing systems. Our problem solving skills provide the spark of innovation to some of the world's leading technology brands.



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