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EAC-MT-3P

Three Phase Motor Driven AC Source

Description



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, RS232, RS485, CAN, LAN & USB. All units in the range are shipped in 19" cabinets as standard. Modified versions to suit particular applications are available on request.

- ATE versions for systems integration
- High current versions
- Analogue & computer interfaces
- Digital V & I display
- All voltage ranges possible
- High setting speed

Selection Table

Part Number	Power	Output Voltage	Current	Dimensions (Width x Height x Depth)
EAC-MT-3P 2705	3 x 1350 VA	3 x 0 - 270 VAC	3 x 5 A	19" x 16U x 600mm
EAC-MT-3P 2706	3 x 1620 VA	3 x 0 - 270 VAC	3 x 6 A	19" x 16U x 600mm
EAC-MT-3P 2708	3 x 2160 VA	3 x 0 - 270 VAC	3 x 8 A	19" x 16U x 600mm
EAC-MT-3P 27010	3 x 2700 VA	3 x 0 - 270 VAC	3 x 10 A	19" x 20U x 600mm
EAC-MT-3P 27012	3 x 3240 VA	3 x 0 - 270 VAC	3 x 12 A	19" x 20U x 600mm
EAC-MT-3P 27014	3 x 3780 VA	3 x 0 - 270 VAC	3 x 14 A	19" x 20U x 600mm
EAC-MT-3P 27016	3 x 4320 VA	3 x 0 - 270 VAC	3 x 16 A	19" x 20U x 600mm
EAC-MT-3P 27018	3 x 4860 VA	3 x 0 - 270 VAC	3 x 18 A	19" x 25U x 600mm
EAC-MT-3P 27020	3 x 5400 VA	3 x 0 - 270 VAC	3 x 20 A	19" x 25U x 600mm
EAC-MT-3P 27022	3 x 5940 VA	3 x 0 - 270 VAC	3 x 22 A	19" x 25U x 600mm
EAC-MT-3P 27025	3 x 6750 VA	3 x 0 - 270 VAC	3 x 25 A	19" x 25U x 600mm
EAC-MT-3P 27030	3 x 8100 VA	3 x 0 - 270 VAC	3 x 30 A	19" x 34U x 600mm
EAC-MT-3P 27035	3 x 9450 VA	3 x 0 - 270 VAC	3 x 35 A	19" x 34U x 600mm
EAC-MT-3P 27040	3 x 10,800 VA	3 x 0 - 270 VAC	3 x 40 A	19" x 34U x 780mm
EAC-MT-3P 27045	3 x 12,100 VA	3 x 0 - 270 VAC	3 x 45 A	19" x 34U x 780mm
EAC-MT-3P 27050	3 x 13,500 VA	3 x 0 - 270 VAC	3 x 50 A	19" x 34U x 780mm

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



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EAC-MT-3P

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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 0 – 300 VAC
/V380.....	Extended output voltage range 0 – 380 VAC
/V500.....	Extended output voltage range 0 – 500 VAC
/H.....	19" Handles fitted
/10POT.....	Potentiometer with scale

Technical Data

Input voltage.....	3 x 400 VAC, 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)