

EAC 1-Phase AC Sources 250 - 10.000 VA



OVERVIEW

- Linear Technology
- Lowest Distortion Factor
- True Sine wave output standard
- Easy to use in operation
- CV and CC mode operation
- Frequency variable up to 2000Hz
- AC and DC mode operation
- Indication of all system parameter
- Usable for all load factors
- Variable phase angle switch on
- External oscillator input
- Analogue Interface 5 V or 10 V
- User friendly short-stroke keypad

TYPES

Type	Power VA	Voltage V	Current A	Dimensions
EAC 250	250	0 – 270	3	19" x 4U x 434 mm
EAC 500	500	0 – 270	6	19" x 4U x 434 mm
EAC 1.000	1000	0 – 270	10	19" x 6U x 434 mm
EAC 2.000	2000	0 – 270	15	19" x 6U x 434 mm
EAC 3.000	3000	0 – 270	20	19" x 10U x 434 mm
EAC 4.000	4000	0 – 270	30	19" x 16U x 600 mm**
EAC 5.000	5000	0 – 270	35	19" x 16U x 600 mm**
EAC 6.000	6000	0 – 270	40	19" x 16U x 600 mm**
EAC 7.000	7000	0 – 270	50	19" x 16U x 600 mm**
EAC 8.000	8000	0 – 270	60	19" x 20U x 780 mm**
EAC 9.000	9000	0 – 270	70	19" x 20U x 780 mm**
EAC 10.000	10000	0 – 270	80	19" x 20U x 780 mm**

** Delivered in a cabinet

OPTIONS

Suffix	Description
../DC*	Additional DC mode
../CC	Additional Constant Current Mode
../F1	Frequency range 1 - 1.000Hz
../F2	Frequency range 1 - 2.000Hz
../LTRS232	RS232 Interface, 12 bit
../LTRS485	RS485 Interface, 12 bit
../LT	IEEE488, GPIB Interface 12 bit
../LT+LTRS232	IEEE 488 + RS 232 Interface, 12 Bit
../LT+LTRS485	IEEE 488 + RS 485 Interface, 12 Bit
../EXT OSZ	External occillator input 0 - 20 V _{ss}
../AI5	signal in- and outputs 5 V
../AI10	signal in- and outputs 10 V
../ATI5	Isolated signal in- and outputs 5 V
../ATI10	Isolated signal in- and outputs 10 V
../V300	Output voltage range 300VAC
../V500	Output voltage range 500VAC (C - 40%)
../V700	Output voltage range 700VAC (C - 50%)
../AR	Power output at rear panel
../ATE	No Front panel operation, only Interface
../SYNC	Mains Synchronisation
../CF2	Peak Current 2 *I _{Nenn} (Crestfactor 2)
../CF3	Peak Current 3 *I _{Nenn} (Crestfactor 3)
../CF4	Peak Current 2 *I _{Nenn} (Crestfactor 4)

* DC Voltage = VAC*1.4 (Current see order table), Special versions and arbitrary oscillators on request

TECHNICAL DATAS

Input voltage	230 VAC or 2 x 400 VAC or 3 x 400 VAC
Safety	EN 60.950
Emmissions	EN 61000-6-3
Immunity	EN 61.000-6-1
Output power	see table
Power derating $\cos \phi < + / - 0.7$	14%/ $\Delta 0.1 \cos \phi$
o/p voltage range	see table
Max. o/p current AC	see table
Max. DC Current	DC current = AC current
Frequency range	1-500Hz (1 and 2 kHz option)
Frequ. With DC option	DC-500Hz (1 and 2kHz option)
Mains regulation	0.1%
Load regulation	0.2%
Distortion factor	0.3% at 50 Hz
Program Accuracy AC	0.1%
Program accuracy DC	0.1%
Program accuracy Current	0.2%
Program accuracy phase angle	0.5° (0 - 360°)
Program accuracy frequency	0.1%
Ext. Oscillator input	20 V _{pp} / DC - 1 kHz
Measurement rms voltage	0.2%
Measurent rms current	0.2%
Measurement power	0.2%
Program voltage analogue interface	5V
Isolation Interface	Option T
RS 232 Interface 12 bit	Option LTRS
IEEE488 / GPIB Interface 12 bit	Option LT
Cooling	Internal fan
Ambient temperature range	0 - 40°C
Storage temperature range	-40 to +85°C

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Hauptstraße 119 - 121
D-68804 Altlußheim

phone +49-6205-3948-0
fax +49-6205-37560

e-mail info@et-system.de
web www.et-system.de

