

EAC/3SP 12000/MOD



 3 x 19" x 3 U x 620 mm

OVERVIEW

- Variable frequencies ranging from 1 – 2.000 Hz (sine, square, triangle) (optional)
- Simulation of single- and three-phase networks (worldwide)
- Information via graphic display
- Measurement of: voltage, effective current, average and peak current, effective power, idle power, apparent power, power factor, crest factor
- Constant voltage and constant current operating modes
- 10 memory spaces to store current configurations
- External oscillator input ± 10 V with adjustable time delay of up to 70 mS
- Free memory spaces for user-programmable curves (WAV files), enabled via an external memory card or interface
- Script control: process programming and booting from memory card
- Creation of user-defined curve shapes and programming via external memory card or digital interface
- Three non-volatile curve shapes (programming via memory card)
- Datalog function: current operation values can be saved to a memory card at adjustable time intervals
- Script operation, in combination with the Datalog function, enables an independent stand-alone test field to be set up
- Digital interfaces IEEE, RS232, RS485, USB, LAN (optional)
- Galvanically isolated 0 – 5 V or 0 – 10 V analogue interface (optional)
- SD card slot (optional)
- The drivers for the Lab View user interface can also be used in conjunction with a digital interface
- Sync input synchronizes the device with external sources (optional)
- Sync output triggers external measurement instruments or similar (optional)
- Disengageable output voltage via memory card or digital interface for a determined amount of half periods (optional)
- Connectable output voltage via memory card or digital interface for a determined amount of time (optional)
- Special versions available on request

TECHNICAL DATA

Input Voltage Specification

Input voltage range	3 x 380 V AC
Input frequency	47 – 63 Hz

Output Specification

Grid regulation	0,10 %
Load control	0,2 %
Distortion Pmax	0,15 %
Programming accuracy AC voltage	100 mV
Programming accuracy DC voltage	100 mV
Programming accuracy < 10 A	1 mA
Effective constant current > = 10 A	10 mA
Programming accuracy Activation phase	0,1°
Programming accuracy Frequency	0,1 Hz
Frequency standard	40 – 1.000 Hz
External oscillator input	0 – 10 V / 1 kHz
Resolution, Measurement, Effective voltage, DC voltage, Peak voltage	100 mV
Resolution , Measurement < 10 A	1 mA
Effective current, DC current Peak current > = 10 A	10 mA
Resolution, Measurement < 10 A	10 mW
Active power > = 10 A	100 mW

Programming & Control

Output Control & Monitoring	Front panel and/or optional Analog 0 – +5V/+10V isolated/ Digital 12 bit: RS-232, RS-485, IEEE488, LAN, USB, SD card
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Ambient Conditions

Cooling	Fans
Operating temperature	0 – 40°C
Storage temperature	-20 – 70°C
Humidity	< 80%
Operating height	< 2.000 m
Weight	120 kg
Housing	3 x 19" x 3 U x 620 mm

Output

Voltage	0 – 280 V AC, 12 kW
Current per phase	15 A @ 220 V 30 A @ 110 V
Current (1-phase operation)	45 A @ 220 V 90 A @ 110 V