



EPS - Datasheet

Series EPS/M

The microprocessors controlled Power Supplies »EPS/M(E)« of EPS Electronic Power Supplies are especially suitable for test systems and industrial controls due to their compact construction in a 19" enclosure with 1 and 2 height units.

High output currents between 0-750A at i.e. 0-20V DC and high output voltages between 0-1500V DC are available. The Power Supplies can operate in Constant Current, Voltage, Resistance and Power mode (E-models only CV/CC). And with it these can operate an UI, UIP, UIR mode as well as for example, simulate a PV characteristic. Any output characteristics can be started from the script control of the memory card (SD card) (Option). A data logger can log the actual values. The combination of a programmable control and a data logger creates a self-sufficient "stand-alone" test system.

Actual values, setting values and states are clearly represented on a graphic display (E-models LCD). For the remote control by PC or SPS the equipment has a rear RS232-interface in series as well as an isolated analog interface.

Optionally are available a USB, a GPIB or an Ethernet interface.

In addition according to standard the devices offer the possibility of the parallel operation (Master Slave, except E-models) in the Share-bus mode for constant current allocation.

A Soft-Interlock is likewise integrated, which makes a controlled Switch-Off of the equipment possible.

Further options are the »EPSM-ATE« without front operation, an output characteristic after default , a programmed 12V/24V starter curve »EPSM-KFZ12/24« or different input voltages.

Energy efficiency: high efficiency, Stand-by switch, temperature controlled fans

Scope of delivery:
Power Supply Unit
Operation Manual
Mains Cable (CEE)

Series EPS/M

EPS/MP-11200
Laboratory Power Supply



EPSM/S/P/E-1U/2U

General datas

Technology	Switching
Operation modes	CV. CC. CR. CP
Mains	90-264 VAC
Input frequency	47-63Hz
Power factor	>0,98
Display	LCD
Voltage accuracy	<=0,1%
Voltage Stability Load	<0,05%
Voltage Stability Mains	<=0,1% +2mV
Response time Voltage	<2ms
Current Stability Load	±0.1% +2mA
Output Current Limitation	Standard
Overvoltage category	2
Overheat protection	Standard
Isolation In-/Output	3000V DC
Isolation Output/Enclosure	2000V
Protection class	1
Parallel operation	Standard
Current sharing	Standard
Cooling	Fan
Operation temperature	0-50°C
Storage temperature	-20...70°C
Humidity	<80% n.c
Attitude	<2000m
Design	19 inch

Series EPS/M

Standards	EN 60950, EN 61000-6-4/2, EN61010-1
Power fail	Standard
Output Preset	Standard
Memory	5 Profile

Interfaces

Analog Isolation	Standard
Accuracy Interface	0,05%+2mV
USB Interface	Option EPS/M-USB
RS232 Interface	Standard
RS485 Interface	Option EPS/M-RS485
GBIP Interface	Option EPS/M-IEEE
Ethernet Interface	Option EPS/M-LAN

Technical datas

Output Voltage	0-1200 VDC
Output Current	0-1 A
Output Power	0-1200 W
Efficiency	<92%
Ripple U	<0,05% rms typ.
Remote Sensing	Standard
Dimensions in mm (WxHxD)	19" x 44 x 440
Weight	6,0 kg
Order code	102689

Options

Option 1	Customer specific output curve EPSM-OPT
Option 2	Car starting curve 12V programmed EPSM-KFZ12
Option 3	SD Memory card slot EPSM-SD
Option 4	Without frontpanel EPSM-ATE
Option 5	Warranty extension 3 years EPS/G3A
Option 6	Warranty extension 2 years EPS/G2A



EPSM/S/P-2U



Subject to modification without notice, errors and omissions excepted

EPS Stromversorgung GmbH
Electronic Power Supplies
Alter Postweg 101 86159 Augsburg
Tel.: +49 (0) 821 570451-0
Fax.: +49 (0) 821 570451-25
E-mail: info@eps-germany.de
www.eps-germany.de