

EPS - Datasheet

Series EPS/MP

The microprocessor-controlled power supplies of the »EPS/MP« series from EPS Electronic Power Supplies are particularly suitable for test systems and industrial controls due to their rather compact 19" plug-in housings with 1 and 2 height units.

High output currents with 0-160A at i.e. 0-15V DC and high output voltages with 0-1200V DC are available. The Power Supplies can operate in Constant Current, Voltage, Resistance and Power mode. This can also be used to run a UI, UIP, UIR mode, and thus, for example, a PV characteristic curve can be simulated (MPPT EN50530). Any output characteristics can be started via the script control of the memory card (SD card as an option). A data logger can also log the actual values. The combination of programmable controller and data logger creates a self-sufficient "stand-alone" test system.

Actual values, setpoints and status are clearly displayed on a graphical display..

For remote control via PC or PLC, the power supply has a rear RS232 interface as standard as well as a galvanically isolated analog interface.

Optionally, a USB, RS485, GPIB or Ethernet interface are available .

The devices also offer the option of parallel connection (Master/Slave) in share-bus operation for uniform current distribution as standard.

A soft interlock is also integrated, which enables controlled shutdown of the device.

Further options are »EPS/MP-ATE« without front control, an output characteristic according to specifications, a programmed 12V/24V starting curve »EPS/MP-KFZ12/24« and various input voltage ranges.

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

Scope of delivery:

Power Supply Unit

Operation Manual

Mains Cable (CEE)

Software

Series EPS/MP

EPS/MP-112001
Laboratory Power Supply



EPSMP-1U

General data

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 Accuracy	<=0,05%
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

Series EPS/MP

Design	19 inch
Standards	EN 61000-6-4/2, EN61010-1, EN50530
Power fail	Standard
Output Preset	Standard
Memory	5 Profile

Interfaces

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

Technical data

Output Voltage	0-1200 VDC
Output Current	0-1 A
Output Power	0-1200 W
Efficiency	<92%
Ripple U	<0,05% rms typ.

Dimensions in mm (WxHxD)	19" x 44 x 440
Weight	6,0 kg
Order code	200132

Options

Option 1	Customer specific output curve EPS/MP-OPT
Option 2	Car starting curve 12V programmed EPS/MP-KFZ12
Option 3	SD Memory card slot EPS/MP-SD
Option 4	Without frontpanel EPS/MP-ATE
Option 5	Warranty extension 2/3/5 years EPS/G2A/G3A/G5A
Option 6	Safety Covers for In-/Output EPS/MP-SC



EPSMP-2U



Subject to modification without notice, errors and omissions excepted

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