EPS - Datasheet

Series EPS/HPE

The microprocessors controlled Power Supplies »EPS/HPE« of EPS Electronic Power Supplies are due to their compact construction in a 19" enclosure are ideally suited to easily transition into cost effective production and bulk power solutions, i.e. semiconductor tests and burn-in.
Available are units with high output power with 15, 20, 30, 40, 45, 60, 80, 100, 120 as well 150kW and output voltages between 0-1500V DC. The Power Supplies can operate in Constant Current and Voltage mode.
The devices also come with the possibility of parallel connection for standard.

Actual values and set values are clearly represented on the grafic display.
For remote control using a PC or PLC the devices are provided as standard with an RS232 interface as well as an isolated analog interface on the rear side.
Optionally are available a RS485, USB, GPIB or an Ethernet interface.

Further options are the »EPS/ATE« without front operation and a DC input from 250-750V. Also, other AC input voltages are available on request.

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

Scope of delivery:
Power Supply Unit
Operation Manual

EPS/HPE-30150200
Laboratory Power Supply

EPS/HPE Front

General datas

Technology	Switching
Operation modes	CV. CC
Mains	400 VAC, 3ph +-10%
Input frequency	47-63Hz
Power factor	>0,98
Display	LCD
Voltage resolution	3 digits
Voltage accuracy	0,375V
Voltage Stability Load	+ - 0,02% F.S +2mV
Voltage Stability Mains	+ - 0,01% F.S
Response time Voltage	<3ms (10-90%)
Rise time Voltage	20ms(0-100%)
Current Resolution	3 digits
Current Accuracy	0,140A
Current Stability Load	+ - 0,02% F.S +20mA
Current Stability Mains	+ - 0,01% F.S
Output Current Limitation	Standard
Overvoltage category	2
Overheat protection	Standard
Isolation In-/Output	3000V DC
Isolation Output/Enclosure	500VDC
Protection class	1
Parallel operation	Standard
Current sharing	Standard
Cooling	Fan

Series EPS/HPE

Operation temperature	0-50°C
Storage temperature	-20...70°C
Humidity	<80% n.c
Attitude	<2000m
Design	19 inch
Standards	EN 60950, EN 61000-6-4/2, EN61010-1
Power fail	Standard
Output Preset	Standard

Interfaces

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

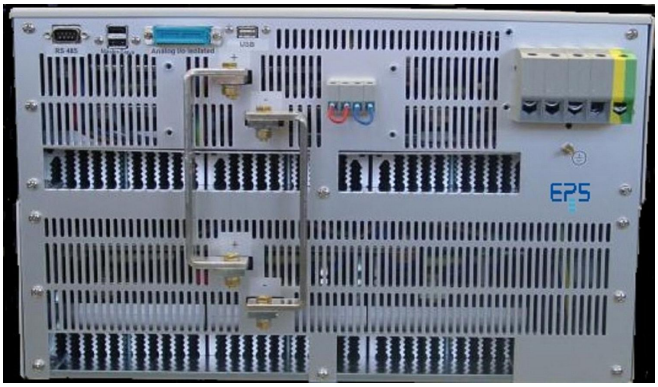
Technical datas

Output Voltage	0-150 VDC
Output Current	0-200 A
Output Power	30000 W
Input Current	68,7A
Efficiency	94% typ
Ripple U	400mVrms
Ripple I	<0,2% rms, <0,5% pp F.S.
Remote Sensing	Standard
Dimensions in mm (WxHxD)	19" x 264 x 620
Weight	66 kg
Order code	113523

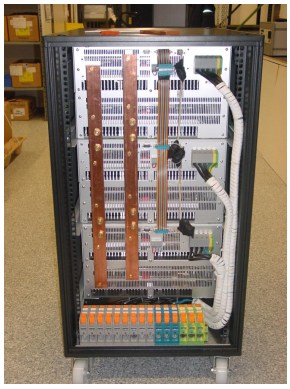
Options

Option 1	Without frontpanel EPS/HPE-ATE
Option 2	DC input 250-750V EPS/HPE-DC
Option 3	Warranty extension 3 years EPS/G3A

Series EPS/HPE



EPS/HPE 30kW rear



EPS/HPE 60kW rear

Subject to modification without notice, errors and omissions exepted

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