

Power supplies System overview

PERFECTION IN AUTOMATION
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Output DC
24 V 5 A



DC OK



Adjust
22.5 - 29.5 V



Power Supply
PS 1000

Single-phase power supplies



Input voltage range
Rated output voltage
Rated output current
Efficiency
MTBF
Ambient temperature during operation
Dimensions (W x H x D)

	OPS1025.2	OPS1042.2	OPS1020.0	OPS1040.0
Input voltage range	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
Rated output voltage	24 VDC	24 VDC	24 VDC	24 VDC
Rated output current	2.5 A	4.2 A	2 A	4 A
Efficiency	>86%	>88%	>88%	>88%
MTBF	>500,000 h	>500,000 h	>500,000 h	>500,000 h
Ambient temperature during operation	-25 to 70°C	-25 to 70°C	-25 to 70°C	-25 to 70°C
Dimensions (W x H x D)	72 x 90 x 61 mm	90 x 90 x 61 mm	45 x 99 x 107 mm	67.5 x 99 x 106 mm

Three-phase power supplies



Input voltage range
Rated output voltage
Rated output current
Efficiency
MTBF
Ambient temperature during operation
Dimensions (W x H x D)

	OPS3050.1	OPS3100.1	OPS3200.1	OPS3400.1
Input voltage range	2/3x 400 to 500 VAC	2/3x 400 to 500 VAC	2/3x 400 to 500 VAC	3x 400 to 500 VAC
Rated output voltage	24 VDC	24 VDC	24 VDC	24 VDC
Rated output current	5 A	10 A	20 A	40 A
Efficiency	>89%	>89%	>91%	>92%
MTBF	>500,000 h	>500,000 h	>500,000 h	>500,000 h
Ambient temperature during operation	-25 to 70°C	-25 to 70°C	-25 to 70°C	-25 to 70°C
Dimensions (W x H x D)	40 x 130 x 115 mm	60 x 130 x 152.5 mm	115 x 130 x 152.5 mm	139 x 130 x 190 mm



	OPS1050.1	OPS1100.1	OPS1200.1
Input voltage range	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
Output voltage	24 VDC	24 VDC	24 VDC
Output current	5 A	10 A	20 A
Efficiency	>89%	>89%	>91%
MTBF	>500,000 h	>500,000 h	>500,000 h
Ambient temperature during operation	-25 to 70°C	-25 to 70°C	-25 to 70°C
Dimensions (W x H x D)	40 x 130 x 115 mm	60 x 130 x 152.5 mm	115 x 130 x 152.5 mm

Buffer module



	OPB0200.1
Input voltage range	24 VDC
Rated output voltage	24 VDC
Rated output current	0 to 20 A
Efficiency	>95%
MTBF	>500,000 h
Ambient temperature during operation	-25 to 70°C
Dimensions (W x H x D)	64 x 130 x 125 mm

Power supplies are a key component of a machine's control cabinet. Because all of the electrical components depend on their reliability, they play a major role in machine availability – an extremely crucial factor for customers.

B&R's 24 V power supplies meet the many requirements of machine users and machine builders alike.

All power supplies can handle a wide range of AC input voltages and are approved for a wide range of temperatures. In addition to being no-load proof, all power supplies also provide short circuit and overload protection. These devices also have full international certification.

The compact and user-friendly construction of these devices saves space in stock as well as in the control cabinet. Terminals and voltage adjustments are easy to access, which helps reduce installation and commissioning times.

The range of functions provided by B&R power supplies completely satisfy the requirements of machine manufacturers. There are no costly additional features relevant only to special applications, which in turn increases their overall cost-effectiveness. This allows B&R to offer the optimal device for OEM machine manufacturing.

The wide range of power supply products provides functions suited directly to the needs of manufacturers of series-produced machines. As a provider of complete system solutions, this is just one more way that B&R can help optimize the cost of your machines.

Highlights

- Reduced costs through the use of optimized devices
- Small dimensions save space
- Extensive product range to meet the requirements of manufacturers of series-produced machines
- Easy installation on the mounting rail
- Proven in the field
- Connection terminals included in delivery

Integrated automation
Global presence
Solid partnership



ETHERNET 
POWERLINK

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SAFETY

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