

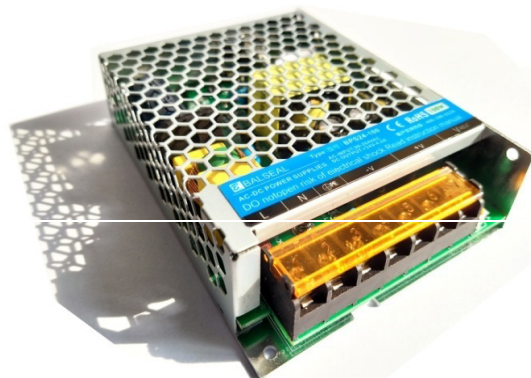
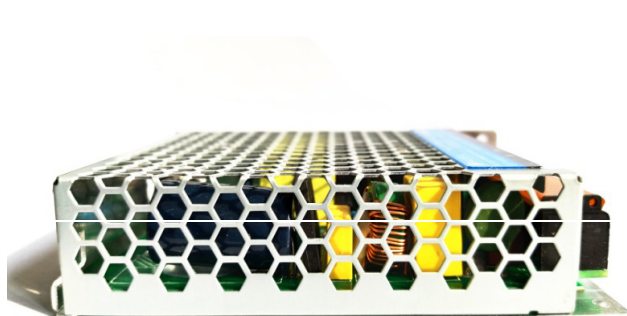
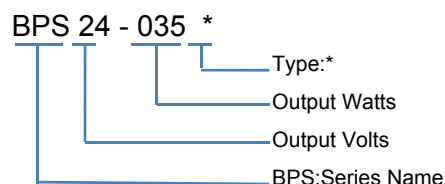
BALSEAL BPS Series Panel Mount Power Supplies

BALSEAL' BPS series of panel mount power supplies is perfect for applications that require a basic DC voltage power supply. These low cost power supplies offer high performance and reliability without all the additional features of higher cost full-featured power supplies. The BALSEAL BPS series is available with universal single-phase input and with output voltages of 12 and 24VDC from 35 to 450 Watts. The BPS0524-100 unit provides both a 24VDC and a 5VDC output. The rugged aluminum housing easily screw mounts in three different mounting orientations. These high-quality power supplies include overload, overvoltage and thermal protection, and are CE marked and RoHS compliant.

Features

- Universal input voltage, 120/240 VAC or 100–375 VDC
- 12VDC, 24VDC or dual 5 and 24VDC, 35 to 100 Watts
- Adjustable output voltage
- Rugged aluminum housing, screw mounts in three different orientations
- Output voltage status LED
- Robust fixed-screw terminal strips
- Overload, overvoltage and thermal protection
- CB recognized, CE marked and RoHS compliant
- Two year warranty

Part numbering system



BALSEAL BPS Series Panel Mount Power Supplies

BPS Series Input Specifications

Part No.	Weight	Input Voltage	Input Frequency Range	Output Voltage	Output Power (Max.)/Output Current (Max.)	Leakage Current	Efficiency (Typ.)
BPS24-035	0.23Kg	90–264 VAC	47–63 Hz (0Hz @ DC Input)	24VDC	35W/1.5A	<1mA	88%
BPS24-050	0.23Kg				50W/2.1A		88%
BPS24-075	0.34Kg				75W/3.2A		88%
BPS24-100	0.34Kg				100W/4.5A		88%
BPS24-150	0.48Kg				150W/6.5A		89%
BPS24-200	633g	170–264 VAC			200W/8.3A	< 2mA/230 VAC	91%
BPS24-250	633g				250W/10.5A		91%
BPS24-300	720g				300w/12.5A		92%
BPS24-350	720g				350W/14.6A		89%
BPS24-400	720g				400W/16.8A		89%
BPS24-450	720g				450W/18.8A		89%

BPS Series Input Specifications

Part No.	Weight	Input Voltage	Input Frequency	Max. Input Current	Output Power (Max.)/Output	Leakage Current	Efficiency (Typ.)
BPS12-035	0.23Kg	90–264 VAC	47–63 Hz (0Hz @ DC Input)	12VDC	35W/3.0A	<1mA	86%
BPS12-050	0.23Kg				50W/4.2A		86%
BPS12-075	0.34Kg				75W/6.3A		86%
BPS12-100	0.34Kg				100W/8.5A		86%
BPS12-150	0.48Kg				150W/12.5A		87. 5%
BPS12-200	633g	170–264 VAC			200W/17.0A	< 2mA/230 VAC	87%
BPS12-250	633g				250W/21.0A		87%
BPS12-300	720g				300W/25.0A		87%
BPS12-350	720g				350W/29.2A		86%
BPS12-400	720g				400W/33.5A		86%
BPS12-450	720g				450W/37.5A		86%

BALSEAL BPS Series Panel Mount Power Supply Specifications

General Specifications

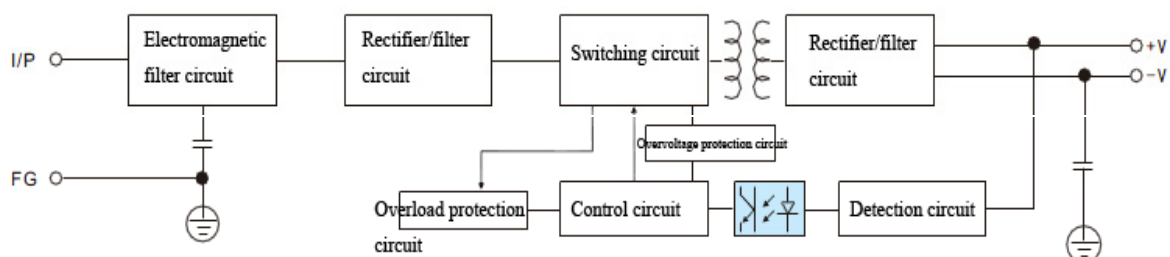
Output Line Regulation	<0.5% typical (@ 85–264 VAC input, 100% load)
Output Load Regulation	<1% typical (@ 85–264 VAC input, 0-100% load)
Overload/Short Circuit Protection	>120% rated load current, hiccup mode with auto recovery (PSS0524-100: >150% of total rated output power, hiccup mode, non-latching, auto-recovery)
Overvoltage Protection	32VDC max. (PSS0524-100 V1: <32.4 VDC max., V2: 6.75 VDC max.), hiccup mode, non-latching (auto recovery)
Case Cover	Aluminium (Al1100)
Signals	Green LED DC OK
MTBF	>700,000 hrs.
Noise	Sound pressure level (SPL) <40dBA
Cooling	Convection
Input/Output Terminal	Terminal block 5-Pin rated 300V/20A (PSS0524-100: 7-Pin rated 300V/15A)
Shock Test	30g half sine, 3 times per direction, 6 directions, per IEC60068-2-27
Vibration	10 to 150Hz, 5g, 20 min. each axis per IEC60068-2-6
Operating Temperature	-10°C to +70°C* [14°F to 158°F]
Storage Temperature	-25°C to +85°C [-13°F to 185°F]
Humidity at +25 °C [77°F], no condensation	<95% RH non-condensing

* Operating to 70°C [158°F] possible with a linear derating to half power from 50°C to 70°C [122°F to 158°F]

Safety and Agency Approvals

EMC / Emissions	FCC Title 47, Class B/EN 55022;CISPR22, Class B
Immunity	EN 61000-4-2,1995; EN 61000-4-3,1998; EN 61000-4-4,1995; IEC61000-4-5,1995; EN 61000-4-6,1996; EN 61000-4-8 or IEC61000-4-12 or IEEE C62.41; EN 61000-3-2,1994
Voltage Dips	Conform to EN 61000-4-11
Galvanic Isolation	Input to Output : 3 KVAC, Input to Ground : 1.5 KVAC, Output to Ground : 0.5 KVAC
Approvals	CB recognized, CE marked and RoHS compliant Two year warranty
RoHS Compliant	Yes

Additional Data




BALSEAL BPS Series Panel Mount Power Supplies

Dimensions

mm [inches]

BPS24-035

BPS12-035

Wiring Connection			
<i>Input</i>		<i>Output</i>	
L	Line	-V	Out -
N	Neutral	+V	Out +
	AC Ground		

