

New: now also available
in single-phase*

**POWER
VISION**



The perfect power supply system

*the first products are available from Q3 2008

ENG

BPV1 2008-04 ENG

www.pv400.de

BLOCK 
black-trafo.de

PVSE 230

Single-phase, primary switched economy switch mode power supply



- Stabilised and adjustable output voltage
- 4 rating classes: 3, 5, 10 and 20 A
- Up to 200% real power boost for 4 seconds
- Top boost for triggering miniature circuit breakers
- DC OK signalling
- Stand-by input
- Parallel connection option
- Service-friendly spring-loaded connector system
- High degree of installation flexibility

BLOCK
www.block.info.de
SWITCHED-MODE POWER SUPPLY
PVSE 230/24-10
In: 115-240VAC / 45-65Hz
3.3-1.4A
Out: 24VDC (22-29.5Vdc)
10A
Boost: 20A/4s; 60A/25ms
See instruction manual before connecting.
Indoor use only.
Operating range: -10 to +70°C
Dwelling: -25/5A; > +50°C
EN 60950
EN 61224-1
Serial-No. / Serial-No.
873302-03023
Made in Germany



ECONOMY Order description

PVSE 230 stabilised

- Version Economy
Rated output current 3 A: PVSE 230/24-3
Rated output current 5 A: PVSE 230/24-5
Rated output current 10 A: PVSE 230/24-10*
Rated output current 20 A: PVSE 230/24-20*

- Version Economy
with active inrush current limiting
Rated output current 3 A: PVSE 230/24-3B
Rated output current 5 A: PVSE 230/24-5B

*The 10 A and 20 A rating classes are fitted with active inrush current limiting as standard.



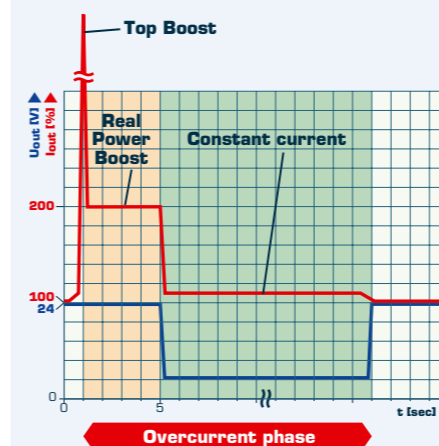
optional



Economy PowerVision switch mode power supply with excellent power reserves

The economy class: The PVSE 230 is an affordable economy switch mode power supply with highly accurate output voltage for all requirements in automation technology, focussing on the core tasks of power supply. Unparalleled power reserves through real power boost and top boost functions increase operational reliability for machines and systems. The device is optionally available with active inrush current limiting.

Overload behaviour



LED signalling

The economy version is equipped with two LEDs that indicate the current operating status. When the device is running without any errors, the green LED lights up. The red LED indicates undervoltage at the output of the power supply.

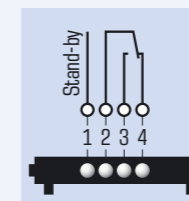
Setting the output voltage

The output voltage can be set to between 22.0 und 29.5 V DC on the front panel.



Isolated signal contact

The PVSE 230 switch mode power supply is fitted with an isolated DC OK signalling output. In the event of undervoltage at the output, the internal relay becomes inactive. This error can be queried via the changeover contact.



Stand-by input

The stand-by input allows targeted switch-on of the power supply. By applying an external DC voltage at the stand-by input, the output of the device is not released and the switch mode power supply remains on stand-by.

ECONOMY

	PVSE 230/24-3 PVSE 230/24-3B	PVSE 230/24-5 PVSE 230/24-5B	PVSE 230/24-10	PVSE 230/24-20
Input data				
Rated input voltage	100–240 V AC	100–240 V AC	100–240 V AC	100–240 V AC
Input voltage range	85–264 V AC	85–264 V AC	85–264 V AC	85–264 V AC
Frequency range	45–65 Hz	45–65 Hz	45–65 Hz	45–65 Hz
Output data				
Rated output voltage	24 V DC/± 1% (SELV)	24 V DC/± 1% (SELV)	24 V DC/± 1% (SELV)	24 V DC/± 1% (SELV)
Output voltage range	22–29,5 V DC	22–29,5 V DC	22–29,5 V DC	22–29,5 V DC
Rated output current	3 A at 24 V DC	5 A at 24 V DC	10 A at 24 V DC	20 A at 24 V DC
Real Power Boost	6,5 A/4 s	10 A/4 s	20 A/4 s	40 A/4 s
Top Boost	14 A/25 ms	22 A/25 ms	60 A/25 ms	70 A/25 ms
Signalling				
DC OK, LED	2	2	2	2
DC OK, isolated	Relay contact, type: changeover, 30 V DC/1 A (240 V AC/0,5 A)	Relay contact, type: changeover, 30 V DC/1 A (240 V AC/0,5 A)	Relay contact, type: changeover, 30 V DC/1 A (240 V AC/0,5 A)	Relay contact, type: changeover, 30 V DC/1 A (240 V AC/0,5 A)
Miscellaneous				
Stand-by input	20–29,5 V DC	20–29,5 V DC	20–29,5 V DC	20–29,5 V DC
Dimensions W × H × D (without connector) in mm	40 × 127 × 163	57 × 127 × 163	57 × 127 × 179	77 × 127 × 179
Available from	Q3 2008	Q3 2008	Q4 2008	Q1 2009

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The technical specifications and information given in this brochure are subject to change at any time.

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