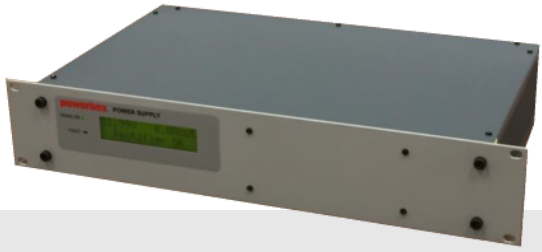
powerbox
Powering Progress

PB362 Series:
AC/DC Power Supply



FEATURES

- 12Vdc. 24Vdc and 48Vdc
- 600W and 1000W AC/DC power supplies
- High reliability and high efficiency
- Industrial grade switching power converter
- Universal AC input range 100Vac - 240Vac
- 2RU Rack mounted enclosure
- Liquid crystal display
- Low output noise
- Output overvoltage protection - constant current limit
- Output short circuit and over voltage protection
- Over temperature protection
- Optional alarm relays: AC Mains OK & Rectifier OK
- Optional Ethernet interface
- Optional alternate output voltage setting

SPECIFICATIONS

MODEL		PB362 SERIES
INPUT	Nominal Voltage	100-240Vac
	Nominal Frequency	50-60Hz
	Input Current [1 2]	600W models: 4.1A typ 1000W models: 7A typ
	Efficiency [1 2]	600W models: 82-83% typ 1000W models: 84-86%typ
	Power Factor [1 2]	0.95 typ
	Inrush Current [1 2]	40A
OUTPUT	Output Voltage	12Vdc, 24Vdc, 48Vdc See selection table
	Output Current	See selection table
	Output Power	See selection table
	Ripple & noise	See selection table, (BW = 20MHz)
	Overcurrent Protection	Constant current limit See selection table
	Short Circuit Protection	Indefinite (Auto resetting)
	Overvoltage Shutdown	12V Models: Vo +2.4 - 4.8Vdc 24V Models: Vo +4.8 - 9.6Vdc 48V Models: Vo +4.8 - 12.0Vdc
ENVIRONMENT	Operating temperature	-20 to 71°C ambient Derating linearly above 50°C to 50% at 71°C
	Humidity	20 to 90% RH non-condensing
	Cooling	Forced air - int'l fan (R->L)

[1 2] Note 1 & 2: Vin = 200Vac, Io = I rated

PB362 Series:
AC/DC Power Supply

powerbox
Powering Progress

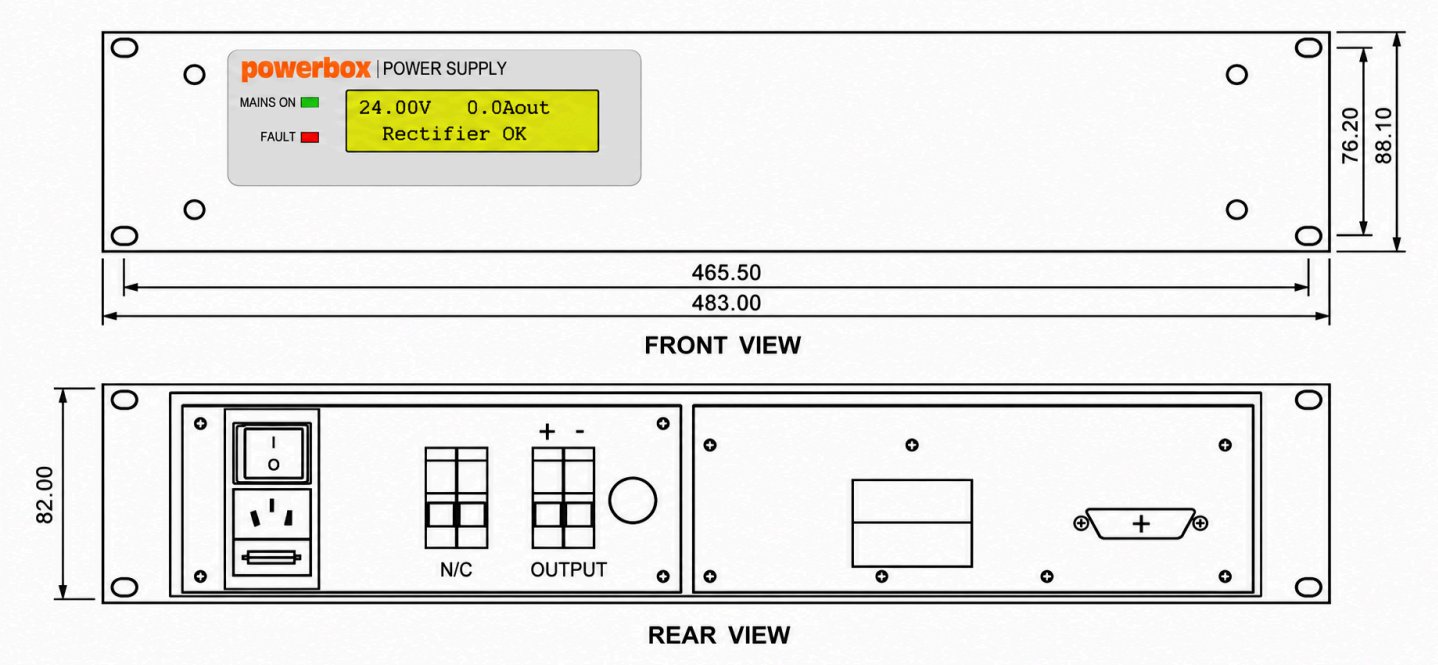
MODEL		PB362 SERIES
DISPLAYS & ALARMS	LCD Display	2 line x 16 character LCD Output voltage Output current AC Mains status Rectifier status
OPTIONS	Rectifier OK (DC OK) (-P)	Voltage-free changeover contact (32Vdc, 1A) Alarms on failure of AC/DC Converter, over temperature protection or cooling fan failure
	AC OK (-P)	Voltage-free changeover contact (32Vdc, 1A Alarms on mains failure
	Ethernet Interface (-N)	Internal interface card provides remote monitoring via SNMP V1 and an embedded HTML webpage
STANDARDS	Safety	AS/NZS60950, Class 1
	Isolation	I/P to Output: 3.0kVac, 1min I/P to Ground: 2.0kVac, 1min O/P to Ground: 500Vac, 1min
	EMC	AS/NZS CISPR22 Class B
MECHANICAL	AC Input	IEC60320-1 C14 inlet, fused ON/OFF switch
	DC Output Terminals	76A Cage clamp terminals 12V 88A: 101A Cage clamp
	Enclosure	2RU x 19" x 270mm (HxWxD)
	Weight	7.2kg typ.

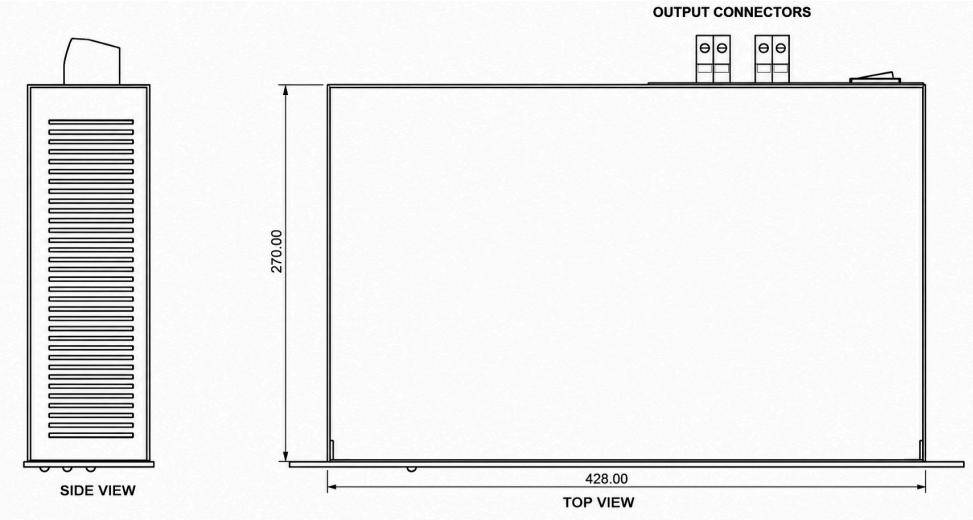
SELECTION TABLE

MODEL NUMBER	OUTPUT VOLTAGE	RATED OUTPUT CURRENT	OUTPUT CURRENT LIMIT	MAXIMUM OUTPUT POWER	OUTPUT RIPPLE & NOISE
PB362-12-53-C-u-xx.xV	12.0Vdc	53A	54.5A	636W	<180mVp-p
PB362-12-88-C-u-xx.xV	12.0Vdc	88A	90A	1056W	<180mVp-p
PB362-24-27-C-u-xx.xV	24.0Vdc	27A	28A	648W	<180mVp-p
PB362-24-44-C-u-xx.xV	24.0Vdc	44A	45.5A	1056W	<180mVp-p
PB362-48-13-C-u-xx.xV	48.0Vdc	13A	14A	624W	<500mVp-p
PB362-48-22-C-u-xx.xV	48.0Vdc	22A	23A	1056W	<500mVp-p

NOTES
Options - "u" -N: Ethernet interface
Options - "u" -P: Screw terminal alarm contacts
Option - "xx.xV": Alternate output voltage setting if different from above (xx.x - Output voltage setpoint in Volts)
Rated output current = Po max / xx.x or above I rated whichever is lower

TECHNICAL ILLUSTRATIONS





NOTES:

1. 2RU X 19" rack enclosure per IEC297
2. Mounting slots are suitable for M6 hardware
3. Input connector is a 10A Class 1 IEC60320 inlet
4. A 2 meter IEC mains cord with Australian plug is supplied with unit

Powerbox Australia Pty Ltd
4 Beaumont Road, Mount Kuring-Gai NSW 2080
p: 1800 251 380 **e:** sales@powerbox.com.au
powerbox.com.au

Powerbox Pacific
1a Henry Rose Pl, Albany Auckland 0632
p: +64 9 4158 320 **e:** sales@powerbox.co.nz
powerbox.co.nz