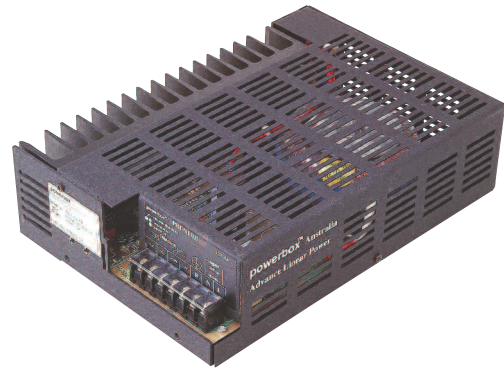


# PBLN Series

60-240 WATTS - AC/DC LINEAR SINGLE OUTPUT

## FEATURES

- Very low RF noise
- Highly efficient linear
- Chassis mounting
- Rack mounting
- Superior line & load regulation



## SPECIFICATIONS

INPUT	
Voltage	240VAC $\pm 5\%$ full output current. Other voltages on request
Frequency	50Hz–60Hz
Input protection	Yes, internal fuse
Efficiency	60%–80% depending on output voltage
Isolation	Input – Output: 3500VAC, 1 min Input – Ground: 1500VAC (with varistors removed) Output – Ground: 500VAC, 1 min
OUTPUT	
Output voltage	See table
Output current	See table
Output ripple	0.5mV pk-pk max. (100Hz–120Hz).
Line regulation	$\pm 0.1\%$ max.
Load regulation	$\pm 0.3\%$ max.
Temperature coefficient	$\pm 50$ ppm per $^{\circ}\text{C}$ typical ( $\pm 250$ ppm per $^{\circ}\text{C}$ max.).
Overvoltage protection	SCR crowbar, factory set at 120% V out $\pm 5\%$ .
Overcurrent protection	Foldback current limiting 115% I max.
High temperature	Thermal shutdown, Auto electronic reset.
Alarms	Optional DC OK alarm with relay output, add suffix “-AL”.

Operating temperature	0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ at full load
Derating	50 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ derate linearly to 40%
Cooling	Natural convection.

## STANDARDS

Safety	Meets AS/NZS 60950, Class 1
C-Tick	AS/NZS CISPR11 Group 1 Class A.
EMC compliances	AS/NZS 3548:1995 Class B

## MECHANICALS

Connections	7 way 9.5mm barrier terminal block
Mounting	CM: Chassis mount RM: Rack mount

## SELECTION TABLE

MODEL NUMBER	OUTPUT		RIPPLE NOISE	POWER
PBLN1205CM	12V	5A	0.5mVp-p	60W
PBLN1210CM	12V	10A	0.5mVp-p	120W
PBLN2405CM	24V	5A	0.5mVp-p	120W
PBLN2410CM	24V	10A	0.5mVp-p	240W
PBLN4805CM	48V	5A	0.5mVp-p	240W
PBLN1205RM	12V	5A	0.5mVp-p	60W
PBLN1210RM	12V	10A	0.5mVp-p	120W
PBLN2405RM	24V	5A	0.5mVp-p	120W
PBLN2410RM	24V	10A	0.5mVp-p	240W
PBLN4805RM	48V	5A	0.5mVp-p	240W

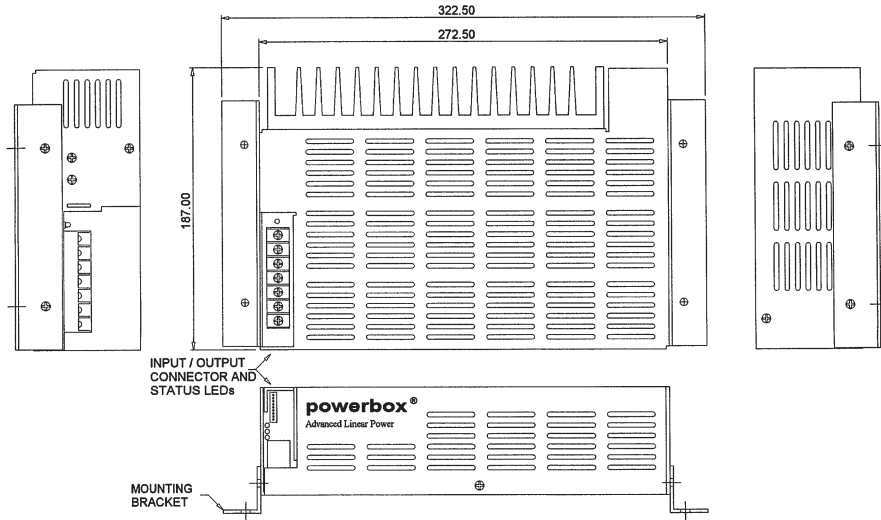
OPEN FRAME & ENCLOSED

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## TECHNICAL ILLUSTRATIONS CHASSIS MOUNTING



## RACK MOUNT

