

PBLNC Series

77-275 WATTS FLOAT CHARGER LINEAR

Features

- Very low noise
- Highly efficient linear design
- Chassis or rack mount
- Superior line & load regulation
- Single outputs
- C-Tick compliant



Specifications

INPUT

Input Voltage	240VAC \pm 5% full output current
Frequency	50Hz/60Hz
Input Protection	Yes
Input Fuse	Yes

OUTPUT

Output Voltage	See table
Output Current	See table
Line Regulation	\pm 0.1% max.
Load Regulation	\pm 0.5% max.
Temperature Coefficient	\pm 50ppm per $^{\circ}$ C typical (\pm 250ppm per $^{\circ}$ C max.)
Output Ripple	0.5mV pk-pk max. (100Hz/120Hz)
Overvoltage Protection	SCR crowbar, factory set at 120% V out \pm 5%
Overcurrent Protection	Foldback current limiting 115% I max.

OPERATING

Efficiency	60%–80% depending on output voltage
Isolation	Input – Output: 3500VAC, 1 min Input – Ground: 1500VAC, 1 min with varistors removed Output – Ground: 500VAC, 1 min
Battery Fault Indication	Cell voltage less than 1.8V \pm 4% flashing current limit LED

ENVIRONMENTAL

Operating Temperature	0 $^{\circ}$ C to 50 $^{\circ}$ C at full load
Derating	50 $^{\circ}$ C to 70 $^{\circ}$ C derate linearly to 40%
Cooling	Natural convection
High Temperature	Thermal shutdown, Auto electronic reset

STANDARDS AND APPROVALS

Safety	AS3260. Austel approved
C-Tick/EMC Standards	AS/NZS CISR11: Group 1, Class B

MECHANICAL

Connections	7-way 9.5mm barrier terminal block
Mounting	CM – Chassis mounting, RM – Rack mounting

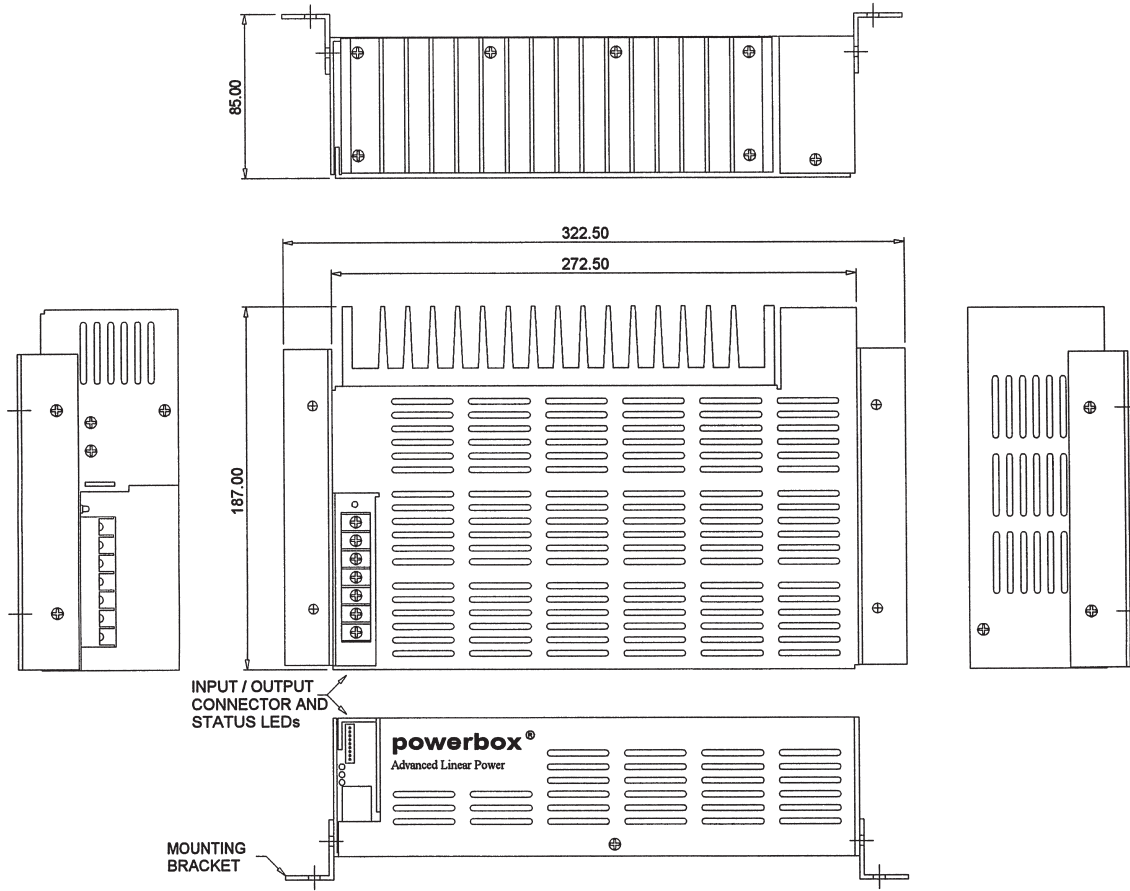
Selection Table

MODEL NUMBER	OUTPUT		OUTPUT POWER
	VDC	AMPS	
PBLN12C05CM	13.8V	5A	70W
PBLN12C05RM	13.8V	5A	70W
PBLN12C10CM	13.8V	10A	138W
PBLN12C10RM	13.8V	10A	138W
PBLN24C05CM	27.6V	5A	138W
PBLN24C05RM	27.6V	5A	138W
PBLN24C10CM	27.6V	10A	276W
PBLN24C10RM	27.6V	10A	276W
PBLN48C05CM	55.2V	5A	276W
PBLN48C05RM	55.2V	5A	276W

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Technical Illustrations CHASSIS MOUNTING



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RACK MOUNT

