

PB261 Series

200-500 WATTS DC/DC SINGLE OUTPUT

FEATURES

- Rugged DC/DC converter for industrial applications
- 24 or 48Vdc input / 12, 24 or 48Vdc output
- 200 to 500W output.
- Parallel operation to 2kW
- Input reverse polarity protection
- Input overvoltage and undervoltage lockout
- Overtemperature protection
- Adjustable output voltage
- DC OK alarm LED and voltage-free contact
- Low RF emissions



SPECIFICATIONS

INPUT

Input voltage	24Vdc (18-30Vdc) 48Vdc (36-60Vdc)
Undervoltage lockout	24V: 17.2Vdc 48V: 30Vdc
Overvoltage lockout	24V: 37.8Vdc 48V: 78.8Vdc

OUTPUT

Output voltage	See Table
Voltage adjustment range	±8%
Output current	See Table
Output power	See Table
Ripple & noise	Typ. See Table BW=20MHz
Line regulation	0.2% typ. over input range
Load regulation	12 and 24V: 2% typ. 48V: 5% typ.
Overvoltage protection	12V: 15Vmax. 24V: 29Vmax. 48V: 58Vmax.
Overcurrent protection	120% of rating typ.

DISPLAYS / ALARMS

DC OK	Green LED: ON=OK Voltage-free changeover contact (32V, 1A)
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ENVIRONMENTAL

Operating temperature	0 – 40°C
Relative humidity	5 – 90% (non-condensing)
Cooling	Thermostatically Controlled Fan

OPERATING

Efficiency	79 – 84% typ.
Load sharing	±5%
Isolation	In/Out 4243Vdc, 1 min. In/Gnd 2121Vdc, 1 min. Out/Gnd 707Vdc, 1 min.
Overtemperature protection	100°C typ.

STANDARDS

Safety standards	Complies with AS/NZS60950:2000
C-Tick	AS/NZS CISPR11 Group 1, Class A

MECHANICAL

General	Chassis mount enclosure
Dimensions	247x176x70mm (LxWxH)
Input terminations	40A M4 Screw Terminals
Output terminations	40A M4 Screw Terminals
Alarm termination	Pluggable Screw Terminal Blocks for 1.5 mm2 wire
SYNC port (parallel operation)	Two RJ-12 6/6 sockets

SELECTION TABLE

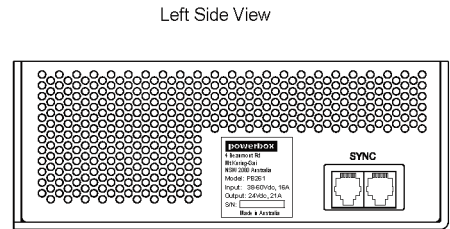
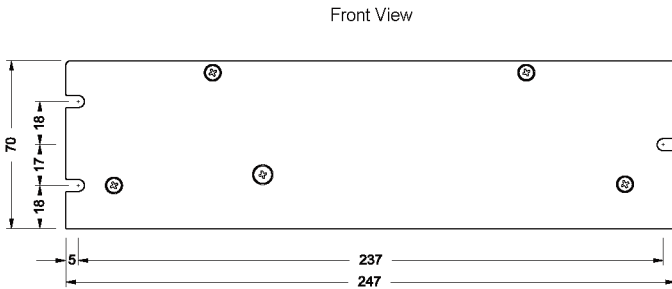
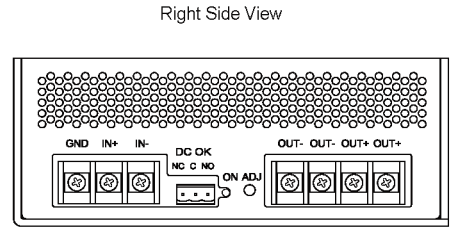
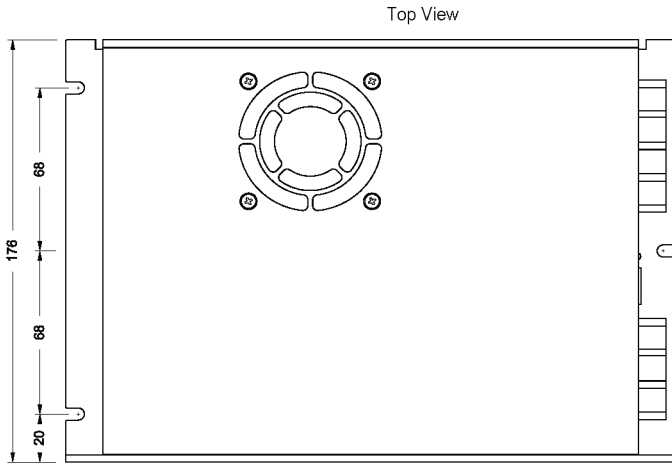
MODEL NUMBER	INPUT	OUTPUT	RIPPLE & NOISE	POWER
PB261-2412E	18-30V	12V 16.7A	50mV	200W
PB261-2424E	18-30V	24V 8.3A	45mV	200W
PB261-2448E	18-30V	48V 4.2A	50mV	200W
PB261-2412T	18-30V	12V 33.3A	30mV	400W
PB261-2424T	18-30V	24V 16.7A	25mV	400W
PB261-2448T	18-30V	48V 7.1A	25mV	340W
PB261-4812S	36-60V	12V 20.8A	80mV	250W
PB261-4824S	36-60V	24V 10.4A	50mV	250W
PB261-4848E	36-60V	48V 4.6A	60mV	220W
PB261-4812U	36-60V	12V 41.7A	40mV	500W
PB261-4824U	36-60V	24V 20.8A	35mV	500W
PB261-4848T	36-60V	48V 9.2A	25mV	440W

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TECHNICAL ILLUSTRATIONS

EXTERNAL VIEW



5mm wide slots - 6 places

TERMINATIONS

