

PBB3S Series:

AC/DC Power Supplies



FEATURES

- 12Vdc and 24Vdc 50W, 100W, and 150W power supplies
- High reliability and high efficiency industrial-gradeswitching power converter
- Universal AC input range from 100Vac to 240Vac nominal without power derating
- Light weight corrosion resistant aluminium enclosure
- Output overcurrent and short circuit protection
- Output overvoltage protection
- Overtemperature protection
- Green Mains/DC OK LED

SPECIFICATIONS

INPUT

Nominal Voltage	100-240Vac
Current	50W Models: 1.5A 100W Models: 2.8A PBB3S-12-12: 2.0A PBB3S-24-6: 3.2A
Nominal Frequency	50-60Hz

OUTPUT

Output Voltage	See Table
Output Current	See Table
Output Power	See Table
Ripple and Noise*1	See Table
Short Circuit Protection	Hiccup, non-latching
Overcurrent Protection	Hiccup overcurrent prot'n >115% of rated current
Overvoltage Prot'n	See table, Hiccup
Overvoltage Prot'n	Hiccup, non-latching

DISPLAYS / ALARMS

Mains/DC OK	Green LED: ON=OK
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STANDARDS

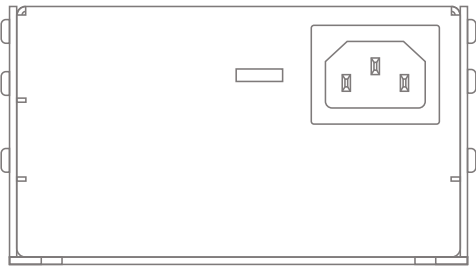
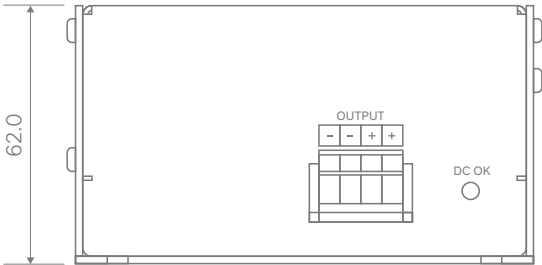
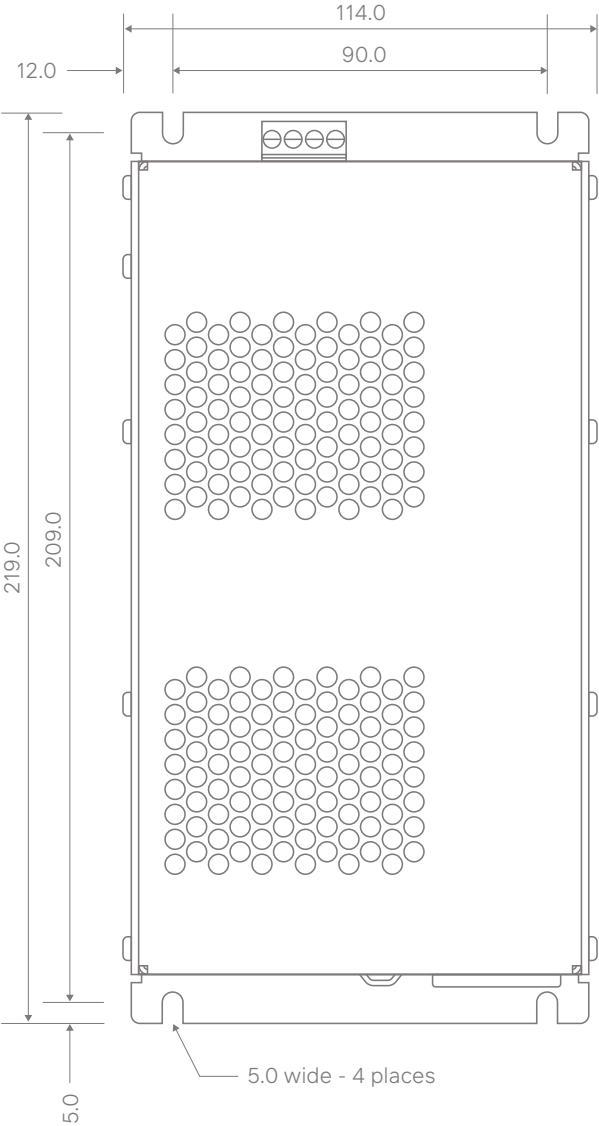
Safety	AS/NZS60950.1, Class I
Isolation	I/P to Output 3.0 kVac, 1 min. I/P to Ground 1.9 kVac, 1 min. O/P to Ground 500 Vac, 1 min.
EMC	AS/NZS CISPR22 Class B

MECHANICAL AND ENVIRONMENTAL

Case Size	219x114x62mm (LxWxH)
Weight	50W Models 600g 100W Models 900g 150W Models 1050g
Operating Ambient Temp.	-10°C to 70°C
Derating	-2.5%/°C above 40°C
Cooling	Natural Convection
Overtemperature Protection	Automatic – Self resetting

*1 BW=20MHz

TECHNICAL DRAWINGS



- NOTES:**
- 1. AC Mains Termination:
 - 10A IEC60320 C14 Appliance Inlet
 - 2. Output Terminations:
 - 4W Pluggable Screw Terminal Block
 - Suitable for up to 2.5 sq. mm wire

SELECTION TABLE

Model Number	Output Voltage	Rated Total Output Current*1	Maximum Load Current	Battery Charging Current	Ripple and Noise*2
PBB3S-12-4	12.0Vdc	4.17A	50W	<100mVp-p	16Vdc +10%/-5%
PBB3S-12-8	12.0Vdc	8.33A	100W	<100mVp-p	16Vdc +10%/-5%
PBB3S-12-12	12.0Vdc	12.5A	150W	<100mVp-p	16Vdc +10%/-5%
PBB3S-24-2	24.0Vdc	2.1A	50W	<150mVp-p	32Vdc ±10%
PBB3S-24-4	24.0Vdc	4.17A	100W	<150mVp-p	32Vdc ±10%
PBB3S-24-6	24.0Vdc	6.25A	150W	<100mVp-p	32Vdc ±10%