

PBB3S Series

AC/DC POWER SUPPLIES

FEATURES

- 12Vdc and 24Vdc 50W, 100W, and 150W power supplies
- High reliability and high efficiency industrial-grade switching 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
Power Factor	Conforms to EN61000-3-2
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 Protection	See table, Hiccup
	*1 BW=20MHz

DISPLAYS / ALARMS	
Mains/DC OK	Green LED: ON=OK
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	
Case Size	219x114x62mm (LxWxH)
Weight	50W Models: 600g 100W Models: 900g 150W Models: 1050g
ENVIRONMENTAL	
Operating Ambient Temp.	-10°C to 70°C Derating: -2.5%/°C above 40°C
Cooling	Natural Convection
Overtemperature Protection	Automatic – Self resetting

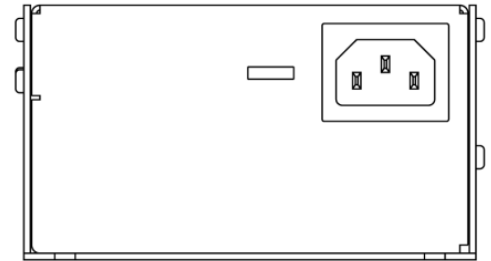
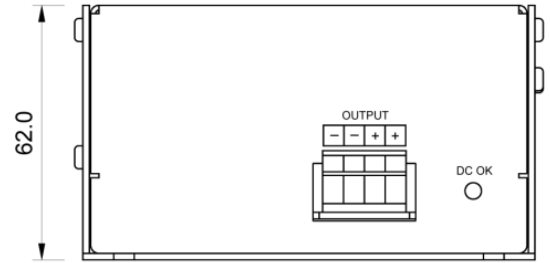
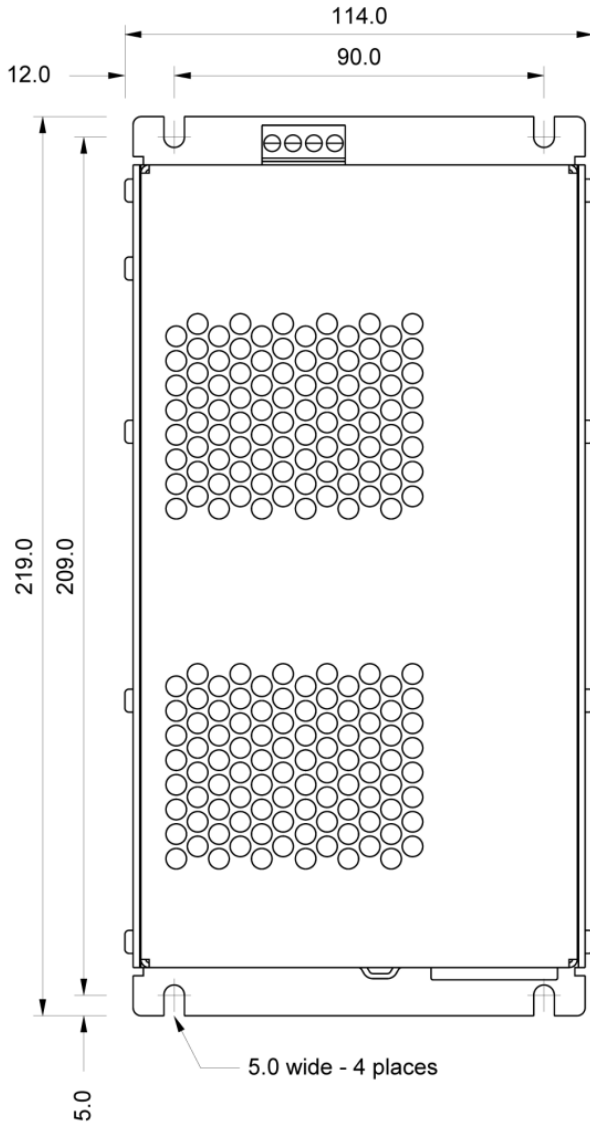
SELECTION TABLE

Model Number	Output Voltage	Output Current	Output Power	Output Ripple & Noise	Overvoltage Trip
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%/-5%

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TECHNICAL ILLUSTRATIONS



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.