



PBBSEC-1205-4

12V 5A AC/DC Power Supply - 4 Channel

FEATURES

- Universal AC Input (100-240Vac), Switching Power Supply
 - 12 Vdc, 5 A Total Output: Safely Shared Across 4 Parallel Screw-Terminal Channels
 - Built for Security Applications, Stable Power Delivery for CCTV, Alarms, Access Control, and Security Peripherals
 - Adjustable Output Voltage: 10-14 Vdc to Suit Load and Cable-Drop Requirements
- Installer-Ready Design: IEC 60320-1 C14 Appliance Inlet with AS/NZS-Approved 1.5 m AC Main Lead Included
 - Wall-Mountable Enclosure with Removable Output Cover
 - Status & Protection: Green Power ON LED, Overload, Short-Circuit, and Over-Temperature Protection
 - Safety & Compliance: AS/NZS 62368.1 Certified (GMA-527593-EA) for Residential and Commercial Security Installations

SPECIFICATIONS*1

MODEL		PBBSEC-1205-4
INPUT	Voltage	100-240VAC (90-264Vac)
	Current	1.2A max.
	Frequency	50/60 Hz (47 - 63Hz)
	Efficiency*2	≥88%
OUTPUT	Nominal Voltage	12Vdc
	Accuracy	±5%
	Current	5A max. Total, 4 Output Channels
	Power	60W max.
	Adjustment Range	10-14Vdc
	Line Regulation	±1%
	Load Regulation	±5%
	Ripple & Noise*3	<200mVp-p
	Protection	Overload/Short Circuit, Hiccup (Auto Reset)
ISOLATION	Input – Output	3000Vac / 1 minute
	Input – Ground	2000Vac / 1 minute
	Output – Ground	Output negative internally connected to protective earth
STANDARDS	Safety	AS/NZS 62368.1, GMA-527539-EA
	Electric Shock Protection	Class I
	Overvoltage Category	II
	Pollution Degree	2

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MECHANICAL AND ENVIRONMENTAL	EMC	AS/NZS CISPR 32 Class B
	Efficiency	GEMS/MEPS/E3, DoE Level VI
	Case Size / Weight	167 x 55 x 35mm (LxWxH) / 245g typ.
	Terminals	AC Mains: IEC 60320-1 C14, 10A Appliance Coupler Output: 8W Barrier Screw Terminal Block, 2.5mm ² , M3
	Enclosure	Polycarbonate, UL94 V-0, 5VB
	Operating Temp and Humidity	0 to 40°C Full Load 5 to 90% RH (Non-condensing)
	Protection	Overtemperature Shutdown (Auto Reset)
	Cooling	Natural Convection
	AC Mains Cable	250Vac, 10A, AS/NZS 3112, AS/NZS 60227.5, AS/NZS 60320.1 C13, 1.5m, Approved Cable Included.
	Environment	For Indoor Use Only

*1 Ta = 25°C unless otherwise noted. Powerbox reserves the right to change specifications without notice.

*2 Efficiency test conditions: 115Vac / 230Vac. Average of efficiencies at 25%, 50%, 75% and 100%

*3 20MHz bandwidth, a 10µF electrolytic capacitor and a 0.1µF capacitor connected in parallel with the load

TECHNICAL DRAWINGS

