

Installation Guide

Avaya P330 and Avaya P120 AC BUPS

BACK-UP POWER SUPPLY

Overview

Description

The Avaya P330/P120 BUPS (Back-Up Power Supply) is an add-on power supply for use with up to four Avaya P330 or P120 switches (see Figure 1.2). The BUPS operates together with the existing power supply installed in each switch. This load-sharing between two parallel power supplies gives maximal network reliability. If either power supply fails, the other power supply automatically provides the required current with no electrical discontinuity. The BUPS provides a continuous input voltage range.

Front panel indicators (see Figure 2.1) enable the user to check power supply and fan operation at a glance. The diagnostic indicators show the state of each of the four power output connections of the BUPS.

Figure 1.1 Avaya P330/P120 BUPS

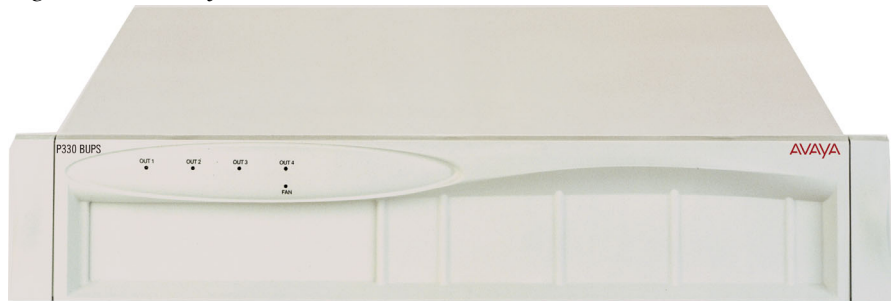
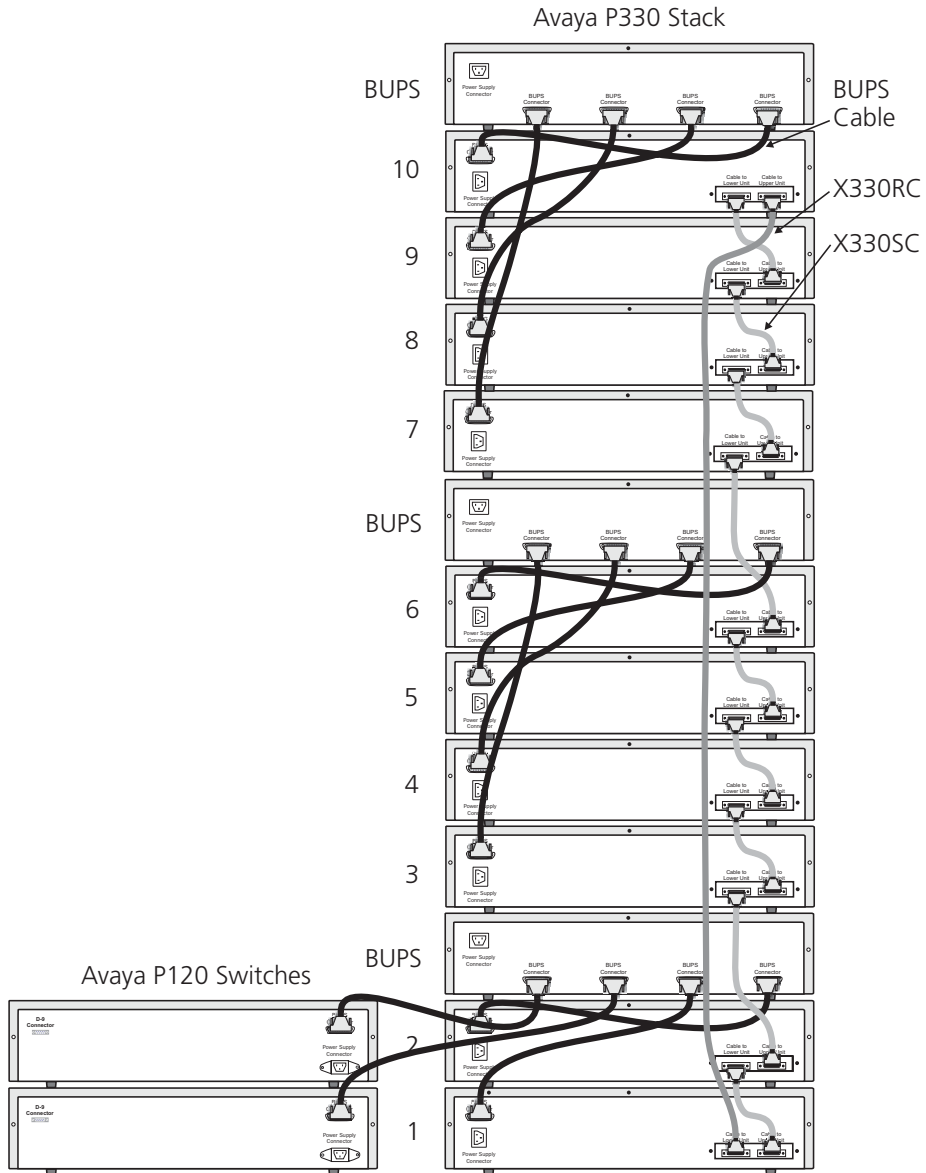


Figure 1.2 Stack of 10 Avaya P330, 2 P120 and 3 BUPS Units with Cable Connections



Installation

Unpack the BUPS. The package includes the BUPS module, a mains power cable and four equal-length DC power cables with D-type connector terminations.

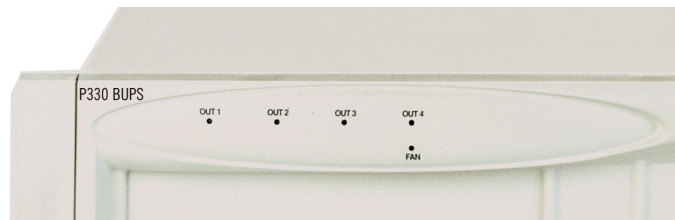


Caution: These cables can be used only with the Avaya P330 BUPS unit.

LED Indicators

The front panel of the BUPS has four LEDs marked OUT 1, OUT 2, OUT 3 and OUT 4, which indicate the status of each of the four power output connections (see Figures 2.1). For example, the "LED OUT 1" indicates the status of the power output connection to BUPS connector #1. The front panel also has a LED marked FAN which indicates the operating status of the fans.

Figure 2.1 BUPS Front Panel



The LED states are summarized in Table 2.1 and Table 2.2.

Table 2.1 Power Supply LED Indicators (OUT 1 to OUT 4)

LED Status	Meaning
ON	The power output for this specific port is operating normally
BLINK	The power output for this specific port has failed
OFF	The BUPS has been disconnected from AC power

Table 2.2 Fan LED Indicators (FAN LED)

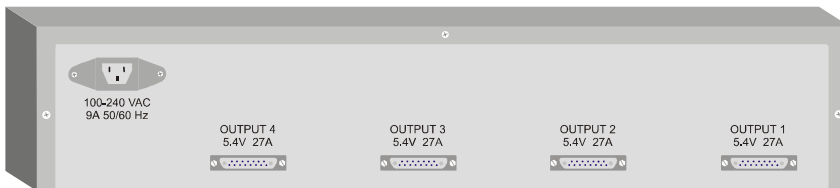
LED Status	Meaning
ON	All 3 fans are operating correctly
BLINK	One or more of the fans has failed or is faulty
OFF	The BUPS has been disconnected from AC power



Note: The BUPS can be positioned anywhere in a stack of Avaya switches.

1. Connect the DC power cables from the BUPS to each Avaya switch (see Figure 1.2 and 2.2), noting the number of the BUPS port to which each switch is connected (numbered 1-4).
2. Firmly secure the D-type connectors on the back of the BUPS and switches, by tightening the two screws on each connector.
3. Connect the BUPS to the Mains power supply.
 - ▶ The unit powers up and performs a self-test procedure. The LEDs flash at regular intervals after the self-test procedure is successfully completed.

Figure 2.2 BUPS Back Panel



Management

The BUPS is visible to CajunView™ network management software, via the Avaya switch agents. The network manager can determine whether such a BUPS exists (if it is connected to the Avaya P330 or Avaya P120) and if it is operating correctly.

Specifications

Electrical

Output Voltage	5.4 VDC
Output Current (max.)	4 x 27 A @ 5.4 V
Output Power (max.)	4 x 150 W @ 5.4 V
Input Voltage Range	100–240 VAC
Input Current	7.76 A @ 100 VAC 3.82 A @ 200 VAC
Inrush Current (max.)	70 A @ 100 VAC 150 A @ 200 VAC
Overload protection	All circuits are protected against overload and short circuits through shutdown of the control circuits.

Reliability

Physical Durability	Vibration and shock compliance with TR and NWT-000063 (NEBS) Par. 4.4.1 and 4.4.2
MTBF	125,194 hours

Environmental

Operating Temperature	-5 to 50 °C (23–122 °F) ambient
Relative Humidity (operating)	5% to 95%, non-condensing
EMC Emission	US – FCC Part 15, Subpart J, Class A Europe – EN55022 class A Japan – VCCI-A
Immunity	Approved according to EN-50082-1
Safety	UL for US approved according to UL1950 Std. C-UL (UL for Canada) approved according to C22.2 No. 950 Std. CE for Europe approved according to EN 60950 Std.
<i>Physical Characteristics</i>	
Height	2U (3.5"/88mm)
Depth	19" (482.6mm)
Width	17.7" (450mm)
Weight	22 lbs (10 kg)

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