STK-RPS-150PS Field Guide

Non-PoE redundant-power supply / controlled checks

System purpose

In the Enterasys A4 hardware guide, STK-RPS-150PS is the 150 W class redundant supply used with the named A4 fixed switches. It connects through a 1 m RPS cable to the switch rear connector. The A4 specification gives 85–264 V AC and 47–63 Hz input, with 12 V DC output; the 102 W and 156 W continuous output figures depend on the application rather than promising the same output to every switch.

Three decisions before work

Supported switch

Confirm the complete switch model and non-PoE classification. The RPS connector alone does not establish compatibility.

RPS hardware

Record the power supply full code, dedicated cable, AC cord and shelf or standalone mounting plan.

Operating boundary

Plan an isolated connection and an acceptance test that checks both the supply Power LED and switch RPS indication.

Source-backed electrical profile

Input / output	A4 guide value
AC inlet	85–264 V AC; 47–63 Hz
DC backup output	12 V DC
Application range	1.0 A min; 8.5 or 13.0 A max; 102 or 156 W continuous

Apter Power field guide. Check the installed switch instructions and the site-approved AC and redundancy procedure.

Check compatibility first

01 / switch, cable and shelf identity

Identity matrix

Item	Read or compare	Acceptance point
RPS unit	STK-RPS-150PS	Full label and AC rating
Switch	Complete non-PoE code	Supported RPS port
Cable	Application-specific RPS cable	No generic substitute
Shelf	CH2 / CH8 or named legacy chassis	Slot, fasteners and rack fit
AC cord	Approved cord and grounded outlet	Voltage and frequency in range

Stop conditions

PoE switch

Do not mate the STK-RPS-150PS cable to a PoE-compliant fixed switch; the manufacturer warns of possible switch damage.

Unknown cable

If the RPS cable cannot be identified as the intended application cable, resolve the connector and pinout before power-up.

Rack planning

For shelf installations, account for the STK-RPS-150CH2 two-slot or STK-RPS-150CH8 eight-slot arrangement, rack support and the separately supplied power units. Maintain access to AC inlet, RPS cable and front indicators.

Pre-cabling record

Field	Write down before the connection
Switch identity	Full A4 or other approved non-PoE model code
RPS path	Rear connector and cable reference
Rack scope	Shelf code, slot number and AC outlet

Mount and connect

02 / isolated assembly, then staged power-up

Controlled sequence

1 Isolate

Power down the switch and RPS, follow site isolation and electrostatic-discharge precautions, and confirm the intended backup path.

2 Install

If using a shelf, slide the supply into the correct slot until flush and fasten its captive screws; otherwise mount the standalone unit securely.

3 Cable

Use the specified RPS cable between the switch and supply rear connectors. Check full seating and a route without strain.

4 Energize

Connect the approved AC cord to the RPS and a grounded supply in range. Observe the green Power LED on the RPS.

5 Observe

Check the receiving switch RPS indicator. Record both LEDs and investigate any missing or unexpected indication before testing redundancy.

Installation record

Photograph both complete labels, cable model and shelf position. Keep the AC source and LED status alongside the switch maintenance record.

Test the power path

03 / indication, controlled backup and fault response

Acceptance table

Check	Expected observation	Record
RPS AC applied	Green Power LED lit	Cord and outlet details
Switch RPS connection	Switch RPS status indicates backup	Switch model and indicator
Primary-power test	Switch response follows approved design	Observed continuity or alarm
Restore primary	Normal status returns	Final LED and fault state

If the Power LED is off

• Verify AC outlet voltage and both cord connections before replacing any hardware.

• Try a known-good approved AC cord and inspect the supply inlet.

• Stop and isolate the unit if the green Power LED remains off; do not declare redundancy available.

Handover evidence

Retain the switch and RPS full codes, non-PoE fit check, dedicated cable reference, shelf and AC source, both indicator states, controlled backup test and any corrective action.

Safety boundary

Perform any primary-power interruption only under the site-approved outage and rollback procedure. An illuminated LED alone is not a completed redundancy test.

Fault triage

Symptom	First engineering comparison
RPS Power LED off	AC outlet, cord seating and supply inlet
Switch RPS indicator absent	Cable identity, full seating and supported switch code
Unexpected failover behavior	Site power test plan and switch diagnostics

Product enquiry

sales13@apterpower.com | +86 18030235313

Reference and selection

04 / manufacturer scope and related equipment

Manufacturer source

Enterasys A4 Fast Ethernet Switch Hardware Installation Guide, P/N 9034608-03. The exact STK-RPS-150PS installation, cable and electrical tables are preserved in the Downloads technical excerpt.

Configuration boundaries

Non-PoE

STK-RPS-150PS is intended for compatible non-PoE fixed switches; inspect the complete switch reference.

Application-dependent output

The A4 table lists two maximum current and power figures. Confirm the receiving switch design before applying either.

Separate scope

Check whether shelf, dedicated RPS cable, AC cord and mounting hardware are included in the offer.

Related Enterasys references

Related products and shelf references are for navigation; confirm the installed switch and RPS fit.

A4H124-24FX A4 Fast Ethernet switch	**A4H254-8F8T** A4 Fast Ethernet switch
STK-RPS-150CH2 Two-slot RPS shelf	**STK-RPS-150CH8** Eight-slot RPS shelf
C2RPS-CHAS2 Legacy two-slot shelf	**C2RPS-CHAS8** Legacy eight-slot shelf

Quotation handoff

Send the supply and switch labels, cable and shelf needs, quantity and destination. The quotation confirms the offered unit scope, quantity and dispatch date.

Product enquiry

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