



Server Technology

Solutions for the Data Center Equipment Cabinet

Sentry

End-of-Life

Disassembly Instructions

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Chapter 1: Introduction

This document is intended for use by end-of-life recycler or treatment facilities. It provides basic instructions for the disassembly and recycling of Server Technology manufactured products.

Recyclable Materials

Server Technology has determined that all disassembled products may be separated into four recyclable material types; metals, wiring, plastics and printed circuit assemblies.

- Metals Enclosure, enclosure plates, transformer, brackets, screw/nut/washer hardware
- Wiring Input cords, internal wiring harness, internal data interconnects
- Plastics Power inlets, power outlets, LED display covers, fuse cover plates
- Printed Circuit Assemblies Primary/secondary logic, Intelligent Power Modules, power supplies, displays, fuse boards

Common Tools Required

Tool Description	Size Required
Flathead screwdrivers	
Philips screwdrivers	
Socket drivers	5.0, 5.5, 6.0, 7.0 10.0, 11.0 mm
Wire cutters	
Needle nose pliers	
Adjustable wrenches	Minimum jaw capacity 2" (51mm)
Hammer	

Chapter 2: Vertical Switching Units

Products Covered

Model Numbers	Product Family
AMSS-U004-x	Serial Ambassador
CW-xxVx-x / CX-xxVx-x	Switched Cabinet Distribution Unit
PTSS-V0xx-x	Serial Power Tower
PTXL-V0xx-x / PTXM-V0xx-x	Power Tower XL

Disassembly Process

Note: Sample photographs do not cover all configurations.

Open Enclosure

- Remove all screws from enclosure Philips screwdriver
- Remove all wiring tie wraps Wire cutters



Remove Power Cord

Detachable - Remove power cord
Hardwired

- Loosen strain relief Adjustable wrenches
- Remove ground terminal hardware Socket wrench, 7mm
- If the unit is equipped with a terminal block, detach wiring and remove power cord Wire cutters
- If the power cord is wired directly to the power supply, detach terminals from the power supply and remove power cord
- Remove strain relief Adjustable wrenches



Remove C19 Inlet (if applicable)

- Remove hardware securing inlet to unit Philips screwdriver
- Remove ground terminal nut Socket wrench, 7mm
- If the unit is equipped with a terminal block, detach wiring Wire cutters
- If the inlet is wired directly to the power supply, detach terminals from the power supply and C19 inlet



Remove Transformer (if applicable)

- Remove hardware securing transformer to unit Philips screwdriver
- Detach wiring to power supply Wire cutters
- Remove transformer



Remove Wiring

- Detach all wiring from all printed circuit assemblies (PCAs) Wire cutters

Remove Power Supply

- Detach all wiring from the power supply
- Remove hardware securing power supply to unit Philips screwdriver
- Remove heat sink hardware Socket wrench, 5.5mm
- Remove power supply



Remove Intelligent Power Modules (IPMs)

- Remove hardware securing IPMs to unit Philips screwdriver
- Remove Mylar sheeting (if present)
- Detach wire connections to outlets Wire cutters
- Remove Intelligent Power Module
- Remove plastic standoffs (if present) Socket wrench, 6mm



Remove Remaining Printed Circuit Assemblies

- Remove hardware securing PCAs to unit Philips screwdriver
- Remove PCAs

Remove Outlets

- Detach bus wiring from outlets..... Wire cutters
- Remove outlets from enclosure Hammer

Finish Up

Recycle enclosure

Chapter 3: Horizontal Switching Units

Products Covered

Model Numbers	Product Family
AMIP-H0xx-x	IP Ambassador
CW-xxHx-x / CX-xxHx-x	Switched Cabinet Distribution Unit
PT4x-H0xx-x	Commander
PTSS-H0xx-x	Serial Power Tower
PTXL-H0xx-x / PTXM-H0xx-x	Power Tower XL

Disassembly Process

Note: Sample photographs do not cover all configurations.

Open Enclosure

- Remove all screws from enclosure Philips screwdriver
- Remove all wiring tie wraps Wire cutters

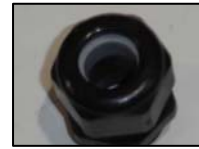


Remove Power Cord

Detachable - Remove power cord

Hardwired

- Loosen strain relief Adjustable wrenches
- Remove ground terminal hardware Socket wrench, 7mm
- If the unit is equipped with a terminal block, detach wiring and remove power cord Wire cutters
- If the power cord is wired directly to the power supply, detach terminals from the power supply and remove power cord
- Remove strain relief Adjustable wrenches



Remove C19 Inlet (if applicable)

- Remove hardware securing inlet to unit Philips screwdriver
- Remove ground terminal nut Socket wrench, 7mm
- If the unit is equipped with a terminal block, detach wiring Wire cutters
- If the inlet is wired directly to the power supply, detach terminals from the power supply and C19 inlet



Remove Transformer (if applicable)

- Remove hardware securing transformer to unit Philips screwdriver
- Detach wiring to power supply Wire cutters
- Remove transformer



Remove Wiring

- Detach all wiring from all printed circuit assemblies (PCAs) Wire cutters

Remove Power Supply

- Detach all wiring from the power supply
- Remove hardware securing power supply to unit Philips screwdriver
- Remove heat sink hardware Socket wrench, 5.5mm
- Remove power supply



Remove Intelligent Power Modules (IPMs)

- Remove hardware securing IPMs to unit Philips screwdriver
- Remove Mylar sheeting (if present)
- Detach wire connections to outlets Wire cutters
- Remove Intelligent Power Module
- Remove plastic standoffs (if present) Socket wrench, 6mm



Remove Remaining Printed Circuit Assemblies

- Remove hardware securing PCAs to unit Philips screwdriver
- Remove PCAs

Remove Outlets

- Detach bus wiring from outlets..... Wire cutters
- Remove outlets from enclosure Hammer

Finish Up

Recycle enclosure

Chapter 4: -48VDC Units

Products Covered

Model Numbers	Product Family
PDU4xx	-48V DC Power Distribution Units
48xx-x-x	-48V DC Intelligent Power Managers

Disassembly Process

Note: Sample photographs do not cover all configurations.

Open Enclosure

- Remove all screws from enclosure Philips screwdriver
- Remove all wiring tie wraps Wire cutters



Remove Wiring

- Detach all wiring from all printed circuit assemblies (PCAs)..... Wire cutters



Remove Remaining Printed Circuit Assemblies

- Remove hardware PCAs to unit Philips screwdriver
- Remove PCAs

Remove Output Terminal Blocks

- Remove mounting hardware 10mm Socket wrench
- Remove terminal blocks from enclosure



Remove Relays (if applicable)

- Remove relays Philips screwdriver

Finish Up

Recycle enclosure



Solutions for the Data Center Equipment Cabinet

Server Technology, Inc.
1040 Sandhill Drive
Reno, NV 89521

+1.800.835.1515 TF
+1.775.284.2000 Tel
+1.775.284.2065 Fax

www.servertech.com
sales@servertech.com

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