# NETGEAR® BUSINESS

# Installation Guide

## Auxiliary Power Supplies for the M4350 Series Fully Managed Switches
APS350W, APS600Wv2, APS920W, and APS2000W



## Package contents

- Auxiliary power supply
- Power cord (varies by region)
- Installation guide

May 2023

201-30605-03

## Overview

The APS350W, APS600Wv2, APS920W, and APS2000W auxiliary power supplies (APSs) are supported in the following M4350 series switch models:

- M4350-24F4V (SKU number XSM4328FV)
- M4350-24X4V (SKU number XSM4328CV)
- M4350-44M4X4V (SKU number MSM4352)
- M4350-24G4XF (SKU number GSM4328)
- M4350-48G4XF (SKU number GSM4352)

Each APS provides two bi-colored LEDs (DC OK LED and AC OK LED), which work together to indicate the power supply status, as described in the following table.

| DC OK LED (Left LED) | AC OK LED (Right LED) | Condition |
| --- | --- | --- |
| Solid green | Solid green | DC output is present and voltage is good. |
| Blinking green | Solid green | AC power is present but DC output is for standby only. |
| Solid Red | Solid green | A power supply failure occurred and the APS will be shut down. |
| Solid green | Blinking red | Loss of AC power occurred or AC power is not present. |

## Install an APS

In models with more than one power supply bay, you can install an additional APS.

1. Pull out the cover plate from the power module bay in which you want to insert the additional APS.
2. Insert the APS into the power module bay, and gently push the APS into the bay.

   ⚠️ **CAUTION:** When inserting the APS, do not use unnecessary force. Doing so can damage the connectors on the back of the APS and on the midplane.

3. Connect the end of the power cord to the power receptacle on the APS.
4. Plug the AC power cord into a power source such as a wall socket or power strip.
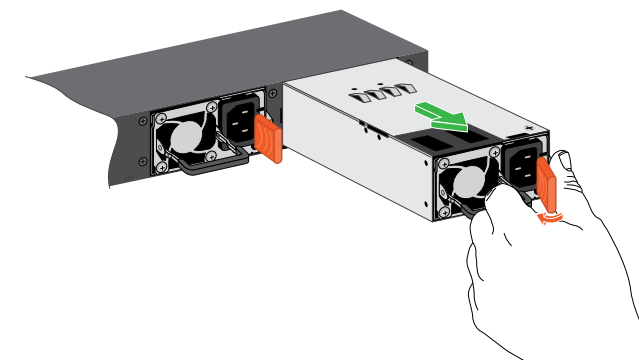
   When you apply power, the AC OK LED ands the DC OK LED on the APS lights. The LED on the switch for the power supply bay also lights. If these LEDs do not light, make sure that the power cord is plugged in and that the power source is good.

## Replace an APS

In models with more than one APS, the APSs are hot-pluggable.

1. If your switch functions with a single APS only, disconnect the power cord from the APS and let the switch power down.

   If your switch functions with more than one APS, you do not need to power down the switch and you can perform a hot swap.

2. Remove the APS from the power module bay by doing the following:
   a. Position the extraction handle perpendicular to the APS.
   b. Insert your left index finger into the extraction handle.
   c. Use your left thumb to move the orange release latch to the left and keep it in the release position.
   d. Pull the extraction handle.

   We recommend that you use your right hand to support the APS.



3. Insert the replacement APS into the power module bay, and gently push the APS into the bay until the latch locks.

   ⚠️ **CAUTION:** When inserting the APS, do not use unnecessary force. Doing so can damage the connectors on the back of the APS and on the midplane.

4. Connect the end of the power cord to the power receptacle on the APS.
5. Plug the AC power cord into a power source such as a wall socket or power strip.

   When you apply power, the AC OK LED ands the DC OK LED on the APS lights. The LED on the switch for the power supply bay also lights. If these LEDs do not light, make sure that the power cord is plugged in and that the power source is good.

# Technical specifications

| Feature | APS Model | Specifications |
|---|---|---|
| AC input | APS350W | 100–127VAC, 5A, 50–60 Hz<br>200–240VAC, 2.5A, 50–60 Hz |
| | APS600Wv2 | 100–127VAC, 9A, 50–60 Hz<br>200–240VAC, 5A, 50–60 Hz |
| | APS920W | 100–127VAC, 12A, 50–60 Hz<br>200–240VAC, 6A, 50–60 Hz |
| | APS2000W | 100–127VAC, 13A, 50–60 Hz<br>200–240VAC, 10A, 50–60 Hz |
| DC output | APS350W | +54.5VDC, 6.4A |
| | APS600Wv2 | +56 VDC, 11A |
| | APS920W | +54.5VDC, 16.88A |
| | APS2000W | +54.5 VDC, 18.35A @ 90-136 VAC<br>+54.5 VDC, 29.36A @ 180-220 VAC<br>+54.5 VDC, 36.7A @ 220-264 VAC |
| Dimensions (H x W x D) | All models | 1.6 x 2.9 x 7.3 in. (40 x 73 x 185 mm) |
| Operating temperature | All models | 23°F to 131°F (–5°C to +55°C) |
| Operating relative humidity | All models | 5% to 90% relative humidity |
| Operating altitude level | All models | Up to 16,404 feet (5,000 m) |
| Storage temperature | All models | –40°F to 158°F (–40°C to 70°C) at a maximum rate of change of 68°F (20°C) per hour |
| Storage altitude level | All models | Up to 49,859 feet (15,200 m) |
| MTBF | All models | Minimum MTBF at continuous operation of 200,000 hours at 100% load and 77°F (25°C), as calculated by Bell core Telcordia SR-332- Issue 2. |

## Compliance (All Models)

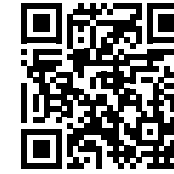| | |
|---|---|
| Safety | UL60950-1/CSA 60950-1 (USA / Canada)<br>IEC60950-1 (International)<br>UL62368-1/CSA 62368-1 (USA / Canada)<br>IEC62368-1 (International)<br>CB Certificate & Report, IEC60950-1<br>CB Certificate & Report, IEC62368-1<br>EN60950-1 (Europe)<br>Nordics -EMKO-TSE (74-SEC) 207/94<br>CE - Low Voltage Directive 2006/95/EC (Europe)<br>GB4943- CNCA Certification (China) |
| EMC | FCC /ICES-003 - Emissions (USA/Canada) Verification CISPR 22 – Emissions (International)<br>EN55022 – Conducted & Radiated Emissions (Europe)<br>EN55024 - Immunity (Europe)<br>EN61000-3-2, 3-3, 4-2, 4-3, 4-4, 4-5, 4-6, 4-8, 4-11<br>CE – EMC Directive 2014/30/EU (Europe)<br>VCCI (Japan)<br>AS/NZS CISPR 22 (Australia / New Zealand)<br>GB 9254 – (EMC) Certification (China)<br>GB 17625.1 - (Harmonics) CNCA Certification (China) |

# Warranty

Visit the NETGEAR warranty page to view the warranty information for your new NETGEAR device:
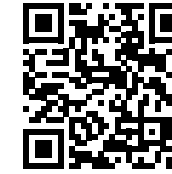


**Australia**: www.netgear.com/au/about/warranty/



**Japan**: www.netgear.com/jp/about/warranty/



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Do not use this device outdoors. If you connect cables or devices that are outdoors to the switch, see kb.netgear.com/000057103 for safety and warranty information.

Applicable to 6 GHz devices only: Only use the device indoors. The operation of 6 GHz devices is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

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