



Quick Start Guide PS/N/R Power Supplies

AMX offers 5 system power supplies, with several variations available:

AMX PS/N Power Supplies		
• PSN6.5	(FG423-41)	With U.S. power cord.
• PS4.4	(FG423-44)	Includes U.S. power cord and barrel plug.
• PSN4.4	(FG423-45)	Includes 2-pin captive-wire connector and U.S. power cord, with 3.5 mm captive-wire connector.
• PSR4.4	(FG423-46)	Includes 2-pin retained captive-wire connector and U.S. power cord, with 3.5 mm captive-wire connector
• PS3.0	(FG423-30)	Includes U.S. power cord and barrel plug.

NOTE: All models use an input connector sanctioned by the IEC (International Electrotechnical Commission).

FIG. 1 shows the front and rear panels of the PSN 6.5.



FIG. 1 PSN6.5 Power Supply

PSN6.5 Specifications

The PSN6.5 is a Class 1 power supply, is CSA and CE approved, and UL listed.

PSN6.5 Specifications	
Dimensions (HWD):	• 1.50" x 5.55" x 9.25" (3.81 cm x 14.10 cm x 23.50 cm)
Weight:	• 2.76 lbs. (1.25 kg) (without power cord).
Input Voltage:	• 90-132 VAC, 2.6A, 47-63 Hz • 180-264 VAC, 1.3A, 47-63 Hz
Output Voltage:	• 13.5 VDC 6.5A
Output Current:	• 6.5 A (continuous power output is 90 W max).
Ripple and Noise:	• 350 mV peak-to-peak @ 70% load.
Protection:	• Over-voltage, over-current, short-circuit, transient and thermal. Switching regulated, overload protected.
PWR Indicator:	• Green LED indicates presence of DC on the output.
Connectors:	• Three removable 2-pin 3.5 mm mini-Phoenix connectors
Rear Panel Components:	• Three 12 VDC power supply connectors. • Standard IEC (male) jack for the power cord.
Input Power Cord:	• 6-foot (1.83 m) IEC power cord terminated with a grounded Edison plug for AC input (U.S. only).
Enclosure:	• Metal with black matte finish.
Temperature Range:	• 32°F - 122°F (0°C - 50°C)
Certification:	• UL: US listed - Class 1 Power Supply • CSA approved • CE approved
Included Accessories:	• Single Universal input power cord (64-0009) • Three removable 2-pin 3.5 mm mini-Phoenix connectors (41-5025)
Optional Accessories:	• AC-RK Accessory Rack Kit (FG515)

NOTE: The PSN6.5 replaces the (obsolete) PSN4.2 and PSN6.3 power supplies.

PS4.4, PSN4.4, and PSR4.4 Specifications

The PS4.4 power supply is identical to the PSN4.4 except that the PSN4.4 comes with a NetLinX-compatible 2-pin captive wire connector and the PS4.4 comes with a barrel-plug. The PSN4.4 power supply comes with a NetLinX-compatible 2-pin retained captive-wire connector.

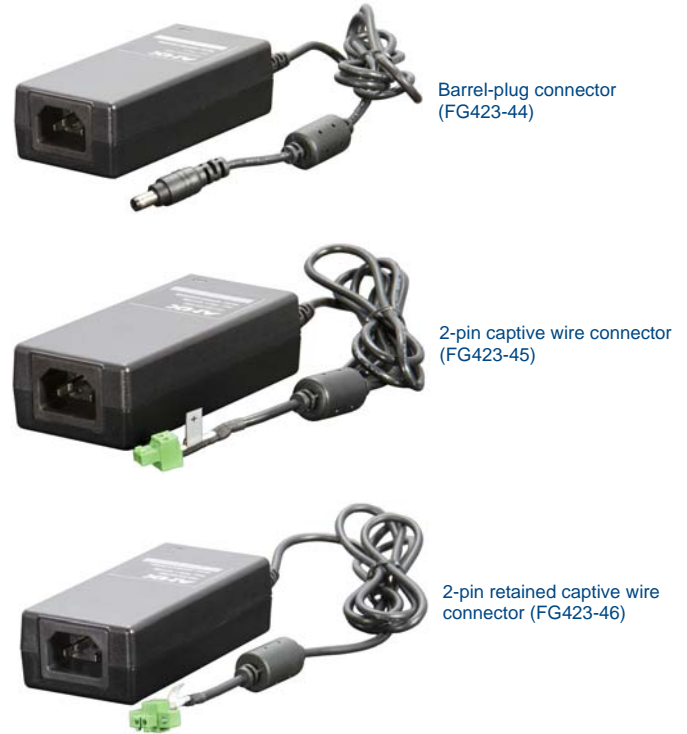


FIG. 2 PS4.4 Power Supply (showing three connectors)

The PSN4.4, PS4.4, and PSR4.4 power supplies are Class 1 power supplies; all are CSA and CE approved and UL listed.

PS4.4, PSN4.4, and PSR4.4 Specifications							
Dimensions (HWD):	• 1.38" x 2.36" x 4.76" (3.5 cm x 6.0 cm x 12.1 cm)						
Weight:	• 1.0 lb. (.45 kg)						
Input Voltage:	• 100-240 +10% VAC						
Input Frequency:	• 47-63 Hz						
Input Current:	• 1.2A MAX at 115 VAC + full load • 0.6A MAX at 230 VAC + full load						
Output Voltage:	• 13.5 VDC						
Output Current:	• 4.4A MAX						
Ripple and Noise:	• 150 mV peak-to-peak @ full load						
Protection:	• Over-voltage, over-current, short-circuit, transient and thermal. Switching regulated, overload protected.						
Power Indicator:	• Green LED indicates the presence of DC on the output.						
Connectors:	<table border="0"> <tr> <td>PSN4.4</td> <td>• Mini 2-pin captive wire connector (3.5 mm).</td> </tr> <tr> <td>PS4.4</td> <td>• Barrel plug (see <i>Barrel Plug Dimensions</i>)</td> </tr> <tr> <td>PSR4.4</td> <td>• 2-pin retained captive wire connector (3.5 mm)</td> </tr> </table>	PSN4.4	• Mini 2-pin captive wire connector (3.5 mm).	PS4.4	• Barrel plug (see <i>Barrel Plug Dimensions</i>)	PSR4.4	• 2-pin retained captive wire connector (3.5 mm)
PSN4.4	• Mini 2-pin captive wire connector (3.5 mm).						
PS4.4	• Barrel plug (see <i>Barrel Plug Dimensions</i>)						
PSR4.4	• 2-pin retained captive wire connector (3.5 mm)						
Input Power Cord:	• 50 mm IEC power cord terminated with a grounded Edison plug for AC input.						
Enclosure:	• Molded black matte plastic.						
Temperature Range:	• 32°F - 104°F (0°C - 40°C)						

PS4.4, PSN4.4, and PSR4.4 Specifications (Cont.)	
Certification:	<ul style="list-style-type: none"> • UL: US listed - Class 1 Power Supply • CSA approved • CE approved
Included Accessories:	<ul style="list-style-type: none"> • Single Universal input power cord (64-0009)

Barrel Plug Dimensions

The dimensions of the Barrel Plug used by the PS4.4 power supply are:

- 2.1mm ID
- 5.5mm OD
- 9.5mm length

PS3.0 Specifications

FIG. 3 shows the PS3.0. The PS3.0 is a Class 1 power supply which is CE approved and UL listed. The PS3.0 uses a barrel-plug connector.



FIG. 3 PS3.0 Power Supply

PS 3.0 Specifications	
Dimensions (HWD):	• 3.94" x 2.20" x 1.30" (10.0 cm x 5.60 cm x 3.30 cm)
Weight:	• 0.33 lbs. (150 g) (without power cord).
Input Voltage:	• 100-240 VAC, 1.2 A, 47-63 Hz
Output Voltage:	• 13.5 VDC
Output Current:	• 3.0 A.
Ripple and Noise:	• 135 mV (60Hz Ripple + Switching ripple and noise).
Protection:	• Over-voltage, over-current, short-circuit, transient and thermal. Switching regulated, overload protected.
PWR Indicator:	• Green LED indicates presence of DC on the output.
Connectors:	• 1.3mm barrel plug, 11mm long.
Input Power Cord:	• 6-foot (1.83 m) IEC power cord terminated with a grounded Edison plug for AC input (U.S. only).
Enclosure:	• Metal with black matte finish.
Temperature Range:	<ul style="list-style-type: none"> • Operating temperature: 32°F - 104°F (0°C - 40°C) • Storage temperature: -4°F - 185°F (-20°C - 85°C)
Certification:	<ul style="list-style-type: none"> • UL: US listed - Class 1 Power Supply • CUL approved • TUV approved • FCC approved • CE approved • PSE approved
Included Accessories:	• Single Universal input power cord (64-0009)

For full warranty information, refer to the AMX Instruction Manual(s) associated with your Product(s).

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