

Power Supply Models

AMX offers 6 variations of our Class I, CSA/CE approved, and UL listed system power supplies:

PS/N/R POWER SUPPLIES		
PSN6.5	(FG423-41)	With US power cord
PS4.4	(FG423-44)	Includes US power cord and barrel plug
PS3.0	(FG423-30)	Includes US power cord and barrel plug
PSR2.5	(FG423-47)	Includes 3-pin retained captive-wire connector and US power cord
PSR5.4	(FG423-48)	Includes 2-pin retained captive-wire connector and US power cord
PSR7-V	(FG423-49)	IEC power cord provided as a separate part, dependent on country requirements.

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

PSN6.5 Specifications

FIG. 1 displays the rear panel of the PSN6.5.



FIG. 1 PSN6.5 POWER SUPPLY

PSN6.5 SPECIFICATIONS	
Dimensions (HWD):	1 1/2" x 5 9/16" x 9 1/4" (3.81 cm x 14.10 cm x 23.50 cm)
Weight:	2.76 lbs. (1.25 kg) (without power cord)
Input:	~100-240 V, 2.6A MAX (1.3A MAX @ 230), 50/60 Hz
Output Voltage:	13.5 V $\overline{\text{---}}$
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
Power Indicator:	Green LED indicates presence of DC on the output.
Connectors:	Three removable 2-pin 3.5 mm mini-Phoenix connectors
Rear Panel Components:	<ul style="list-style-type: none"> • Three 12 V $\overline{\text{---}}$ power supply connectors • Standard IEC (male) jack for the power cord
Input Power Cord:	6-foot (1.83 m) IEC cord with a grounded Edison plug for AC input (US only)
Enclosure:	Metal with black matte finish
Temp Range:	32°F - 122°F (0°C - 50°C)
Certification:	<ul style="list-style-type: none"> • UL: US listed - Class I Power Supply • CSA approved • CE approved • PSE approved • CCC approved
Accessories:	<ul style="list-style-type: none"> • US power cord • 3 removable 2-pin 3.5 mm mini-Phoenix connectors • (Optional) AC-RK Accessory Rack Kit (FG515)

PS4.4 Specifications

FIG. 2 displays the PS4.4.



FIG. 2 PS4.4 POWER SUPPLY

PS4.4 SPECIFICATIONS	
Dimensions:	4 5/8" x 2 1/4" x 1 1/2" (11.7 cm x 5.8 cm x 3.5 cm)
Weight:	1.1 lb. (499 g)
Input:	~100-240 V, 1.5A MAX (0.6A MAX @ 230), 50/60 Hz
Output Voltage:	13.5 V $\overline{\text{---}}$
Output Current:	4.5A 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 V $\overline{\text{---}}$ on the output.
Connector:	Barrel plug (2.1mm ID, 5.5mm OD, 9.5mm length)
Input Power Cord:	6-foot (1.83 m) IEC cord with a grounded Edison plug for AC input (US only)
Enclosure:	Molded black matte plastic
Temp Range:	32°F - 104°F (0°C - 40°C)
Certification:	<ul style="list-style-type: none"> • UL: US listed - Class I Power Supply • CSA approved • CE approved • PSE approved
Included Accessories:	US power cord

PS3.0 Specifications

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



FIG. 3 PS3.0 POWER SUPPLY

PS3.0 SPECIFICATIONS	
Dimensions (HWD):	3 7/8" x 1 3/4" x 1 1/4" (9.8 cm x 4.5 cm x 3.05 cm)
Weight:	5.6 oz (150 g) (without power cord)
Input:	~100-240 V, 3A MAX, 50/60 Hz
Output Voltage:	12 V $\overline{\text{---}}$
Output Current:	3.0 A
Ripple and Noise:	200 mV (60Hz Ripple + Switching ripple and noise)
Protection:	Over-voltage, over-current, short-circuit, transient and thermal switching regulated, overload protected
Power Indicator:	Green LED indicates presence of DC on the output.
Connectors:	1.3mm barrel plug, 11 mm long
Input Power Cord:	6-foot (1.83 m) IEC power cord terminated with a grounded Edison plug for AC input (US only).
Enclosure:	Molded black matte plastic
Temp Range:	<ul style="list-style-type: none"> • Operating temperature: 32°F - 122°F (0°C - 50°C) • Storage temperature: -4°F - 185°F (-20°C - 85°C)
Certification:	<ul style="list-style-type: none"> • UL: US listed - Class I Power Supply • CUL approved • TUV approved • FCC approved • CE approved • PSE approved
Included Accessories:	US power cord

PSR2.5 Specifications

FIG. 4 displays the PSR2.5.



FIG. 4 PSR2.5 POWER SUPPLY

PSR2.5 SPECIFICATIONS	
Dimensions (HWD):	4 3/4" x 2 3/8" x 1 1/4" (12 cm x 6 cm x 3.05 cm)
Weight:	1.1 lb. (499 g)
Input:	~100-240 V, 1.5A MAX, 47/63 Hz
Output Voltage:	24 V $\overline{\text{---}}$
Output Current:	2.5 A
Ripple and Noise:	300 mV peak-to-peak @ full load
Protection:	Over-voltage, over-current, short-circuit, over temperature, overload protected
Power Indicator:	Green LED indicates presence of DC on the output.
Connectors:	3-pin retained captive wire connector (3.5mm)
Input Power Cord:	4-foot (1.2 m) IEC power cord terminated with a grounded Edison plug for AC input (US only).
Enclosure:	Molded black matte plastic
Temp Range:	<ul style="list-style-type: none"> Operating temperature: 32°F - 104°F (0°C - 40°C) Storage temperature: -4°F - 176°F (-20°C - 80°C)
Certifications:	<ul style="list-style-type: none"> UL: US listed - Class I Power Supply CUL approved TUV-GS approved FCC approved CE approved PSE approved CCC approved BSMI approved RCM approved
Included Accessories:	US power cord

PSR5.4 Specifications

FIG. 5 displays the PSR5.4.



FIG. 5 PSR5.4 POWER SUPPLY

PSR5.4 SPECIFICATIONS	
Dimensions (HWD):	4 1/2" x 2" x 1 1/4" (11.5 cm x 5.15 cm x 3.05 cm)
Weight:	0.48 lb (221 g)
Input:	100-240 +10% VAC, 47-63 Hz
Input Current:	<ul style="list-style-type: none"> <2A MAX at 100 VAC + full load <1A MAX at 230 VAC + full load
Output Voltage:	12 V $\overline{\text{---}}$
Output Current:	5.4A MAX
Ripple and Noise:	200 mV peak-to-peak @ full load

PSR5.4 SPECIFICATIONS (CONT.)

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:	Mini 2-pin 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
Environmental:	<ul style="list-style-type: none"> Operating temperature: 32°F to 104°F (0°C to 40°C) Storage temperature: -4°F - 176°F (-20°C - 80°C)
Certifications:	<ul style="list-style-type: none"> UL: US listed - Class I Power Supply, CSA approved, CE approved AS/NZS 60950-1 - Australia, New Zealand BSMI - Taiwan CCC - China CU - Russia UL Energy Verified KC - Korea TUV GS - Germany
Included Accessories:	US power cord

PSR7-V Specifications

FIG. 6 displays the PSR7-V. This accessory power supply should be used only with Listed AMX products.



FIG. 6 PSR7-V POWER SUPPLY

PSR7-V SPECIFICATIONS	
Dimensions (HWD):	1 5/8" x 5 3/4" x 5 1/8" (4.13 cm x 14.6 cm x 13.02 cm)
Weight:	1.45 lb. (657 g)
Input:	~100-240 V, 1.9A MAX, 47/63 Hz
Output Voltage:	12 V $\overline{\text{---}}$ +/- .6V
Output Current:	5.5 A
Ripple and Noise:	160mV peak-to-peak @ full load
Protection:	Over-voltage, over-current, short-circuit, over temperature, overload protected
Power Indicator:	Green LED indicates the presence of DC on the output
Connectors:	Three removable 2-pin 3.5 mm mini-Phoenix connectors
Input Power Cord:	Dependent on regional model number. Please see the product catalog for available country-specific products.
Output Power Connectors:	<ul style="list-style-type: none"> Three 12 V $\overline{\text{---}}$ power supply connectors The connecting cable must be DP-2 or DP-2P and proper AWG.
Enclosure:	Metal with black matte finish
Environmental:	<ul style="list-style-type: none"> Operating temperature: 32°F to 122°F (0°C to 50°C) Storage temperature: -4°F - 176°F (-20°C - 80°C) <p>Note: If mounting the power supply on a rack, you must keep 1 RU clear between items to ensure a proper temperature environment.</p>
Certifications:	<ul style="list-style-type: none"> UL/cUL/CB UL AR UL, RCM -Australia, New Zealand UL - Morocco NOM - Mexico FCC Part 15 Subpart B CCC - China

Note: The power light on the front panel should remain solid when power is provided to the unit. A blinking power light indicates overcurrent. If this occurs, unplug the main power connector from the unit for 30 seconds then reconnect the power to reset the unit. If the main power is connected and the power light is not on, the unit has overheated. If this occurs, unplug the main power connector from the unit for 30 seconds then reconnect the power to the unit.



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93-0423-41 REV: R



Last Revised: 11/30/2017