

TRANSFORMERS & CABLES

PA-4

Power Adapters



PA-4

Uses

PA-4 power adapters provide regulated 120/240 VAC, 60 Hz for:

- L-849 REIL systems (Xenon)
- L-806 or L-807 lighted wind cones (Incandescent)

Features

- Provide regulated 120 VAC or 120/240 VAC at 670 VA, when connected to a 3- or 5-step 6.6 A or 5-step 20 A series circuit
- Current sensing option eliminates the need for a separate L-830 isolation transformer when using ADB Safegate's Xenon L-849 REIL system. An extra lead is provided for the current sensing connection.
- An internal tap on the PA-4 reduces the load on a 3-step CCR by 15%
- Watertight construction and maintenance-free operation allows direct earth burial, installation on the surface of the ground, or in a 16-inch diameter by 24-inch deep L-867D base. The installation of the power adapter must be upright.
- Oil-filled for better heat distribution
- Top easily removed to replace internal fuses if necessary

Proper Use

The PA-4 is only guaranteed for use on ADB Safegate L-828 CCRs and for powering ADB L-849 xenon lamp-based Runway End Identification Lights or any steady burning load, such as incandescent wind cones.

Power adapters should not be used on "SCR" type CCRs if the resistive (lamp) load is less than 50% of the rated output for the CCRs. Care should also be exercised to ensure that the use of power adapters does not exceed the VA rating of the CCR. No more than 50% of a CCR's load should be power adapter load. It is not recommended to connect more than two PA-4s on a single CCR.

ADB Safegate power adapters have been designed and tested to operate with ADB equipment (i.e. ADB Safegate CCRs, L-849s, Wind Cones). ADB Safegate power adapters are not guaranteed to work with other manufacturers' equipment. Contact the ADB Safegate Sales Department for additional details.

Ordering Code

44D2004 - X X X X

Input Series Circuit

- 1 = 6.6 A
- 2 = 20 A

Style

- 1 = 3-Step (6.6 A only)
- 2 = 5-Step

Current Sensing

- 1 = With¹
- 2 = Without²

Output Voltage

- 1 = Single phase, 60 Hz, 120 VAC
- 3 = Military style PA-4

Notes

- Substitute the PA-4 for applications that previously required the PA-2 or PA-3. The PA-4 is not ETL Certified and is not recommended for new installations.
- ¹ For xenon lamp-based REILs with ADB Safegate current sensing (includes a built-in L-830 transformer); no separate L-830 isolation transformer required
- ² For REILs without current sensing or wind cones (does not include a built-in isolation transformer)

Approximate CCR Load For Fully Loaded Power Adapters

PA-4 2,995 VA

Installation

The primary leads of the power adapter connect directly into the 6.6 A or 20 A series circuit, and each 120 VAC output lead is internally fused. The power adapter is inherently self-protecting in that the output voltage will drop if a fault occurs.

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Electrical Supply

Power Adapter	Maximum Load	Load Regulation	Input Current	Output Voltage Single Phase 60Hz ¹	Leads ²
PA-4 (6.6 A)	670 VA	±3% ³	2.72-6.70 A	120/240 VAC	2 primary leads 3 secondary leads
PA-4 (6.6 A)	670 VA	±3% ³	2.72-6.70 A	120 VAC	2 primary leads 3 secondary leads
PA-4 (20 A)	670 VA	±3% ³	8.24-20.30 A	120/240 VAC	2 primary leads 3 secondary leads
PA-4 (20 A)	670 VA	±3% ³	8.24-20.30 A	120 VAC	2 primary leads 3 secondary leads

Notes

¹ PA-4 power adapters are not designed for operation on 50 Hz

² Primary leads are 30 inches (76.2 cm) long. Secondary leads are 49 inches (124.5 cm) long

³ Valid for 3-step CCR over 4.7A to 6.7 A

Packaging

Actual:	22 H × 11.5 Dia. in (55.88 × 29.21 cm)
Palletized:	26 × 14 × 14 in (66 × 35.6 × 35.6 cm)
Net weight:	157 lb (71.2 kg)

www.adbsafegate.com

Product specifications may be subject to change, and specifications listed here are not binding. Confirm current specifications at time of order.