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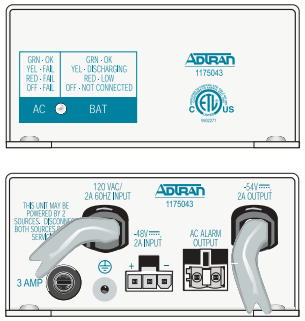
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Find the *Adtran Total Access 750* at our website: ***Click HERE***

AC/DC POWER SUPPLY AND BATTERY CHARGER

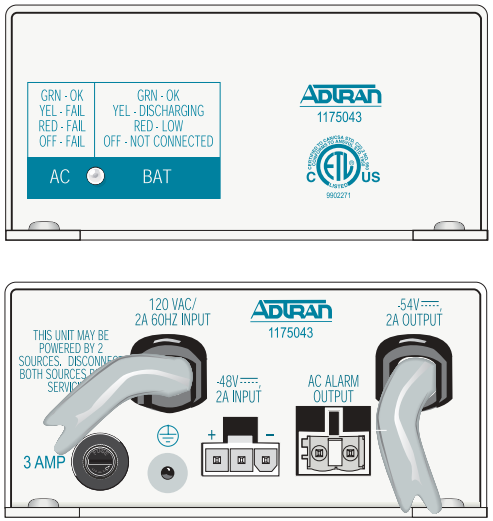
AC/DC POWER SUPPLY AND BATTERY CHARGER

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MOUNTING INSTRUCTIONS

1. **Remove the Total Access Power Supply (ADTRAN P/N 1175043L3 from the box and inspect for damage. If damage is apparent, contact your carrier or supplier.**
2. **Refer to the table on the back of this sheet for detailed mounting instructions.**



The device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by ADTRAN could void the user's authority to operate this equipment.

WARRANTY

Warranty for Carrier Network products manufactured by ADTRAN and supplied under Buyer's order for use in the U.S. is ten (10) years. For a complete copy of ADTRAN's U.S. Carrier Networks Equipment Warranty: (877) 457-5007, Document 414.

CAUTION!
SUBJECT TO ELECTROSTATIC DAMAGE OR DECREASE IN RELIABILITY.
HANDLING PRECAUTIONS REQUIRED.

STATUS LEDS

AC Power Operation (AC power only)

GREEN	OK
YELLOW	{Power Fail
RED	Power Fail
OFF	Power Fail

Battery Operation (AC power supply or battery backup)

GREEN	**OK (charging)**
YELLOW	**Discharging**
RED	**Low (<40 V)**
OFF	**Disconnected**

RELAYS

Alarm Relay

- Provided for customer use

Condition	Alarm Relay
Normal	Open
AC Power Failure/ Battery Backup engaged	Cycles open/closed once per second if AC voltage <88 Vrms at full load and battery backup is connected
Battery voltage <45V	Stays closed if voltage <45 VDC to indicate that battery is becoming depleted

Battery Disconnect Relay

- Disconnects battery pack from the system if the battery voltage falls below 40 VDC
- Prevents damage to batteries

FUSE

- 250V, 5 X 20 mm Slo-blo fuse.
- Fuse holder extends out from rear panel for customer accessibility.

GROUNDING

- 18 AWG or larger ground wire recommended to connect additional ground connector to "ground bus" in customer equipment room.

ELECTRICAL SPECIFICATIONS

- AC input: 115 V nominal
- Range: 90 to 132 VAC
- DC output: -54 V, 60 W average, 100 W peak
- Battery charging: 16 hr nominal, 24 hr maximum
- Battery discharge: Up to 8 hours

COMPLIANCE CODES

Code	Input	Output
IC	F	C
TC	—	—
PC	R	—

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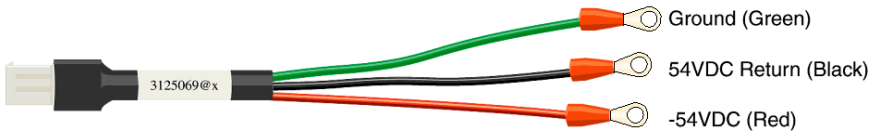
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AC/DC POWER SUPPLY AND BATTERY CHARGER

JOB*AID*

61175043L3-22A

Product	Cable	Mounting Instructions	Wiring Instructions
Total Access 750/850	None	Position the Total Access PSU (power cords oriented downward) and align all four holes (on the tabs at the corners of the Total Access PSU) with the four available machined holes on either side of the Total Access 750/850. Use four #6 x 3/8" machine screws (provided) to secure the Total Access PSU. Alternately, the Total Access PSU can be mounted to a backboard with four #6 x 3/4" wood screws (not supplied). ***Note:*** Mount the power supply on the left side of the Total Access 750/850 shelf (next to the battery cover hinge) for battery backup installations.	The Total Access PSU has two cords (AC plug and 4 position modular adapter). Insert the Total Access PSU modular adapter into the receptacle provided on the back of the Total Access 750/850 and plug the AC plug into the AC power source.
Total Access OPTI-3 MX 2810 NIU3 Single Mount Housing NIU3 3-slot Shelf NIU3 12-slot Shelf	3125069@X (shown below) *This cable can be ordered from ADTRAN using P/N 1200657L10.*	Rackmounted Systems Use a mounting bracket and secure the Total Access PSU to the rack (19" bracket - P/N 1175050L1, 23" bracket - P/N 1175051L1). Orient the Total Access PSU with the cables facing away from the center and secure it with four #6 x 3/8" machine screws. A single bracket mounts up to 4 Total Access PSUs. Alternately, mount the Total Access PSU directly to the rack (or a backboard) using two or more of the mounting tabs. Mounting directly to a wallmounted Total Access OPTI-3 Position the Total Access PSU (power cords oriented downward) and align the outer two holes (on the tabs at the corners of the Total Access PSU) with the two available machined holes on either side of the Total Access OPTI-3. Use two #6 x 3/8" machine screws (provided) to secure the Total Access PSU.	The Total Access PSU (when ordered for use with these systems) is shipped with an adapter cable (P/N 3125069#X) that has a molded modular connector on one end and three ring type terminals on the other. The Total Access PSU powers a single bus (select either A or B). Connect the ring-type terminals to the respective terminals on the rear of the chassis using the screws provided. Use the following wiring conventions: RED — -48VA or PWR BLACK — RET GREEN — Ground Terminal Connect the DC wiring harness of the Total Access PSU to the adapter using the modular connectors and plug the AC plug into the AC power source. ***Note:*** Repeat the above steps to connect a second Total Access PSU to the unit.
MX2800	3125P023@X (shown below) *This cable can be ordered from ADTRAN using P/N 1200657L2.*	Rackmounted Systems Use a mounting bracket and secure the Total Access PSU to the rack (19" bracket - P/N 1175050L1, 23" bracket - P/N 1175051L1). Orient the PSU with the cables facing away from the center and secure it with four #6 x 3/8" machine screws. A single bracket mounts up to 4 Total Access PSUs. Alternately, mount the Total Access PSU directly to the rack (or a backboard) using two or more of the mounting tabs.	The Total Access PSU (when ordered for use with the Total Access MX2800) is shipped with an adapter cable (P/N 3125P023@X) that has a molded modular connector on one end and four soldered wire tips on the other. Connect the soldered ends of the wires to the modular connector that fits into the chosen power bus using a small slotted screwdriver. (The power buses are labeled A and B on the rear of the chassis.) Use the following wiring conventions (holding the connector as it will be inserted in the chassis): *Left* WHITE — Battery Backup Alarm Wire RED — Negative Terminal Wire BLACK — Positive (RET) Wire *Right* GREEN — Ground Terminal Wire Secure the ends of the wires and plug the connector into the chassis on the desired power bus (A or B). Connect the other end to the DC wiring harness of the PSU wiring harness and plug the AC plug into the AC power source.
Battery Backup Unit	Integral wiring harness	The Total Access PSU may also be mounted directly to a Battery Backup Unit, P/N 1175044L1. Position the Total Access PSU (power cords toward the outside of the rack) so that the mounting tabs line up with the pre-tapped holes on the battery pack. Secure the Total Access PSU to the battery pack with four #6 x 3/8" machine screws (provided). Refer to 61175044L1-22 for more information on the Battery Backup System.	Connect the Battery Backup Unit output wire to the 48V, 2A Input jack on the Total Access Power Supply. Use an alarm connector (P/N 3022CON12) to report battery alarms to the system. Run two wires from the connector to the wire wrap pins on the back of the system. Proceed with power connections to the unit using the correct item above.



Adapter Cable with ring lugs, P/N 3125069@X (shortened for illustration)



Adapter Cable with soldered ends mounted to a modular connector, P/N 3125P023@X)

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