

LPR48-300 Input Power Supply Field Test Procedure

Summary

This procedure will test the input power supply and cabling of an LPR48-300 deployed in the field that is currently being used in conjunction with a Univerter that is suspected of failure. The goal of the testing is to identify any failed equipment and gather additional information about the nature of the failures being experienced and determine root cause.

Equipment or Tools Necessary

- 1x LPR48-300 Input Cable Connector to LPR48-300 Y-Cable Adaptor
- 2x LPR48-150 field test fixture (CC Load Version)

Procedure

1. Connect output sides of the LPR48-300 Input Cable Connector to LPR48-300 Y-Cable Adaptor to the test fixtures as shown in the photo below.



Note: The Cable is a Live Power Source with 4 \pm 190V (380V) circuits – handle this cable with caution

2. Disconnect the input cable from the LPR300.
3. Connect the input side of the LPR48-300 Input Cable Connector to LPR48-300 Y-Cable Adaptor to the LPR48-300 input cable as shown below.



4. Observe the LED indicators for INPUT A AND INPUT B on both test fixtures on the front and check for the following conditions.

Note: Allow the fixture to run for a minimum of 30 seconds while continuously observing for any signs of failure.

- All green LEDs (Passed test)



- Alternating green/red LEDs (**fail** – cannot sustain full load)



- LEDs with no illumination. (**fail** – low/absent voltage)



5. After the test is complete, disconnect the LPR48-300 input cable from the LPR48-300 input cable connector to LPR48-300 Y-cable adaptor and reconnect it to the LPR300.



6. If a failure is observed, record the nature of the failure and any relevant observations. (i.e. time of day, temp, weather, time to failure, location, etc.)

End of Method of Procedures

For assistance, contact Alpha Technical Support:

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