


# ASJ ELECTRICAL SOLUTIONS

Electrical Compliance & Inspection Services

SAMPLE REPORT | Client and site details have been redacted for confidentiality. This document is provided as a representative example of ASJ inspection deliverables.

## Metering & Communications Verification Report

Report Type	Metering & Communications Verification
Inspection Outcome	<b>Operational — Issues Noted</b>
Score	15 / 20 (75%)
Flagged Items	5
Inspection Date	Q2 2026
Technician	ASJ Licensed Electrical Worker
Licence Number	[Redacted — verifiable on request]
Client	Commercial Solar O&M Provider
Site Type	Educational Facility, Central Queensland
Site Address	[Redacted]
NMI	[Redacted]
Meter Serial Number	[Redacted]
Comms Module Serial	[Redacted]
Purpose of Visit	<b>Communications Fault Investigation</b>

 Site overview photographs: 8 site photographs captured [redacted for sample report]

### Section 2 — Executive Summary

Score: 15 / 19 (78.95%) — 4 flagged items

Overall Site Status	<b>Operational — Issues Noted</b>
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#### Summary of Findings:

Recommend communications module replacement. Ethernet communications module confirmed unresponsive. Multiple subnets scanned — meter not visible on any network. Direct connection to both RJ45 ports failed. Power LED activity confirms module has supply, however the ethernet stack is non-responsive. Major communications fault confirmed. No data being received on the client monitoring platform.

Total Findings	1
Critical Findings	0
Major Findings	1
Minor Findings	0
Immediate Action Required	Yes

Recommended Next Inspection	To be confirmed post-rectification
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### Section 3 — Meter Physical Inspection

Score: 14 / 17 (82.35%) — 3 flagged items

Meter Make & Model	Commercial 3-phase power meter with ethernet communications module
Meter Location	Distribution board, plant room
Meter Powered & Displaying	<b>Yes</b>
Display Reading	Not available <i>No active display on comms module</i>
Meter Seals Intact	<b>N/A</b>
Physical Damage Observed	<b>No</b> <i>Flagged for documentation</i>
CT Ratio	[Redacted]
CT Condition	<b>Good</b>
Wiring Condition	<b>Requires Attention</b> <i>Spare ethernet cable found floating in housing</i>

 Meter and CT installation photographs: 6 site photographs captured *[redacted for sample report]*


### Section 4 — Communications Check

Score: 11 / 13 (84.62%) — 2 flagged items

Comms Type	<b>Ethernet</b>
Configured IP Address	[Redacted — per site drawings, not responding]
Ping Test Performed	<b>Yes</b>
Target IP Addresses Tested	Multiple subnets tested (configured IP, alternate subnet, direct-connect subnet)
Ping Result	<b>Failed</b>
Packet Loss	<b>100%</b>
Latency	N/A — no response received
Link Light Active	<b>Yellow flashing LED observed</b> <i>Indicates module power present, link activity inconclusive</i>
Cable Condition	<b>Good</b> <i>Floating ethernet cable to be addressed</i>

#### Diagnostic Method:

- Scanned three discrete subnet ranges to rule out network configuration drift
- Tested direct laptop connection to both RJ45 ports on the communications module
- Captured ping output and interface configuration for each test (evidence retained)
- Verified module power state via LED indicators before concluding fault

 Comms port, cable, and laptop ping screen captures: 14 site photographs captured [redacted for sample report]

## Section 5 — Data Verification

Score: 6 / 8 (75%) — 2 flagged items

Data Visible on Monitoring Platform	No
Last Data Timestamp	Unknown — no recent data received
Reading Alignment with Meter Display	N/A
Data Gaps Identified	Yes <i>Confirmed gap consistent with module fault</i>


### Diagnostic Notes:

Yellow flashing LED confirms the communications module has power and apparent link activity, however the ethernet stack is not responding on any IP via either RJ45 port. Behaviour is consistent with a failed onboard network controller rather than upstream network or cabling issue.

## Section 6 — Defects & Recommendations

Score: 4 / 5 (80%) — 1 flagged item

Defect ID	DEF-001
Defect Description	Ethernet communications module unresponsive on all tested IPs across all subnets. Direct connection to Port 1 and Port 2 both failed with 100% packet loss. Module not communicating on any known IP address.
Location on Site	[Redacted — plant room]
Defect Category	Communications / Data
Severity	Major — Within 7 Days
Recommended Action	Replace communications module. After rectification, verify ping response and confirm data flow to monitoring platform.
Timeframe	7 Days
Rectification Quote Required	Yes

 Defect evidence — diagnostic screen captures: 9 site photographs captured [redacted for sample report]

## Section 7 — Overall Assessment & Recommendations

Overall Meter Status	Operational — Issues Noted <i>Replacement of comms module recommended, with post-works verification</i>
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### Recommendations for Client:

The communications module has been confirmed offline. ASJ recommends replacement of the module and verification that the new module is operating as intended after rectification. ASJ Electrical Solutions is available to perform the rectification works and to schedule ongoing periodic inspections of metering and communications infrastructure across the client's portfolio.

Proposed Next Visit	To be confirmed by client following rectification
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### Section 8 — Technician Sign Off

Technician	ASJ Licensed Electrical Worker
Electrical Licence Number	[Redacted — verifiable on request]
Signature	Signed digitally on completion of inspection
Date & Time Completed	Same day as inspection

**Additional Comments:**

All reasonable on-site diagnostic steps exhausted. Escalation recommended for module replacement and specialist reconfiguration.

## About ASJ Electrical Solutions

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ASJ Electrical Solutions is a Queensland-based licensed electrical contractor delivering compliance inspection, thermal imaging, switchboard assessment, and metering & communications verification services to commercial, council, and government clients across regional Queensland — including Rockhampton, Gladstone, Bundaberg, Mackay, Townsville, and Cairns.

Our inspection deliverables are designed to give asset owners and facility managers:

- **Defensible evidence** — photo-supported, methodically documented findings suitable for compliance, insurance, and audit use.
- **Clear severity classification** — defects ranked Critical / Major / Minor with timeframes for action.
- **Actionable recommendations** — each finding pairs with a recommended action and rectification pathway.
- **Single point of accountability** — ASJ can perform inspection, rectification, and ongoing scheduled assessments under one contractor.

## Credentials & Capability

<b>Business Structure</b>	ASJ Electrical Solutions Pty Ltd ATF Jones Family Trust
<b>Licences Held</b>	QBCC Electrical Contractor Licence; Queensland Electrical Worker Licence; CASA Commercial Drone Licence
<b>Service Coverage</b>	Central & North Queensland — Rockhampton, Gladstone, Bundaberg, Mackay, Townsville, Cairns
<b>Procurement Panels</b>	Registered on LocalBuy
<b>Core Services</b>	Electrical compliance inspection, thermal imaging, switchboard assessment, metering & communications verification

## Contact

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