



⚡ Proactive PV Monitoring: Catch Issues Fast, Protect Revenue

If you manage commercial solar in the UK, uptime and energy yield drive your returns. But small faults—like CT polarity errors, inverter resets, or shading creep—can quietly drain thousands in revenue. The fix isn't more portals. It's faster detection.

🔍 What Proactive Monitoring Really Means

RWG Solar reads revenue-grade meters every 48 hours, compares output to expected baselines, and flags anomalies. A specialist reviews context and escalates issues—whether it's an engineer ticket or landlord access. You get a managed fix process, not just a notification.

⚙️ Why Speed Matters

A 500 kWp rooftop losing 15% output for a month can cost £885–£1,475. Catch it in 48 hours and the loss shrinks to £60–£200. Across a portfolio, that pays for monitoring many times over.

⚙️ Common Silent Faults

- Inverter trips that self-reset
- CT polarity errors
- Meter comms dropouts
- Shading from trees or scaffolding
- Firmware glitches post-update
- DC connector degradation

All detectable with frequent meter reads and disciplined follow-up.

📊 KPIs That Matter

- **Availability:** Aim for 99%+
- **Specific Yield:** kWh/kWp
- **Performance Ratio (PR):** Efficiency vs irradiance
- **Alert-to-Fix Time:** Target same-day triage
- **Revenue Variance:** £ gap vs expected
- **SLA Adherence:** % of alerts resolved on time

Track by site and portfolio, trend quarterly.

🕒 How RWG Solar Works

- 48-hour meter reads
- Automated anomaly detection
- Human triage and escalation
- Monthly reports with yield, availability, and open actions
- Integration with your contractor or full O&M support

✅ What to Ask a Monitoring Partner

- Are your meters revenue-grade?
- How often do you read and alert?
- Do you offer ticketing and escalation?
- Can you cover all my sites?
- How do you handle data privacy and mixed inverter fleets?

📄 Summary

Proactive, meter-led monitoring every 48 hours is the fastest way to stop revenue leaks, recover yield, and simplify solar asset management—without adding another portal.