

SAMPLE — FICTIONAL SYNTHETIC DATA. The “actual” generation, events and findings below are invented to show the report format. They are not from any real plant.

PV System Health Check — Monthly Performance Report

Example plant: 30.03 kWp (fictional) • Reporting month: Aug (SAMPLE)

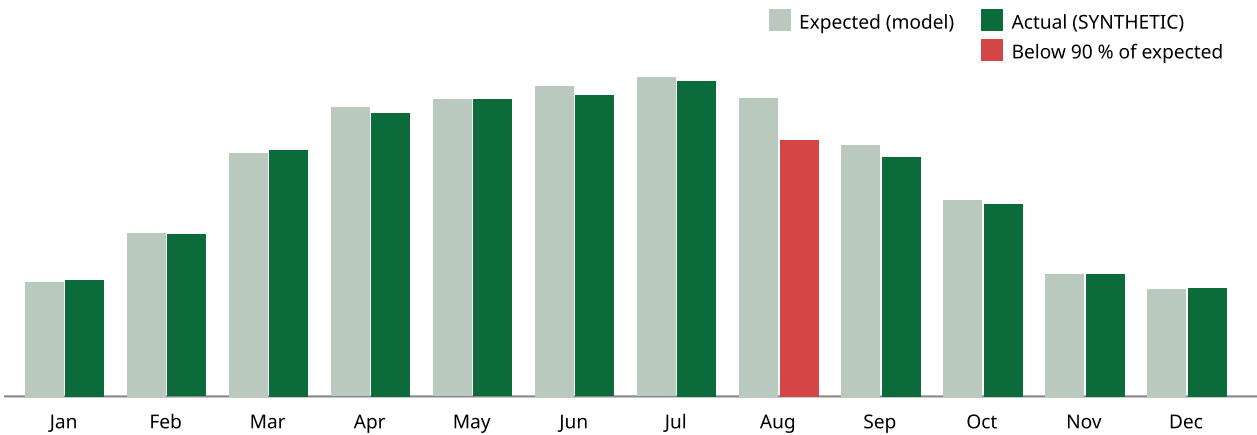
Prepared by WG SOLAR PTE. LTD. (Singapore, UEN 202343648G) • Independent third-party report • Version SAMPLE v0.1

How a real report is produced. With the plant owner's written authorization, we read generation and alarm data from the plant's SolarEdge monitoring platform or Sungrow iSolarCloud account (supported systems at launch: SolarEdge and Sungrow). We compare it against a PVGIS-based expected-generation baseline and flag deviations. We do not visit the site, do not touch or control the plant, and a report is a desk analysis; faults must be confirmed and repaired by a qualified local technician.

1. Summary

Item	Result (synthetic)
Month	Aug: actual 3,208 kWh vs expected 3,730 kWh = 86 % of expected
Status	ATTENTION — below the 90 % alert threshold (threshold is a configurable setting)
Trailing 12 months	33,034 kWh vs 33,938 kWh expected = 97 %

2. Monthly generation: actual vs expected



Month	Expected (kWh)	Actual (kWh, synthetic)	Actual / expected
Jan	1,431	1,460	102 %
Feb	2,047	2,027	99 %
Mar	3,049	3,079	101 %
Apr	3,616	3,544	98 %
May	3,715	3,715	100 %
Jun	3,880	3,764	97 %

Jul	3,990	3,950	99 %
Aug	3,730	3,208	86 %
Sep	3,148	2,991	95 %
Oct	2,453	2,404	98 %
Nov	1,535	1,535	100 %
Dec	1,344	1,357	101 %

Expected = PVGIS v5.3 (PVGIS-SARAH3), 30° tilt, equator-facing, 14 % losses, 30.03 kWp, location approx. 48.14 N 11.58 E (fictional site).
Long-term-average baseline: single months naturally vary with weather, so we also compare against weather-normalized irradiation where the platform provides it.

3. Findings and alerts (synthetic examples)

#	Severity	Observation	Suggested action for owner / O&M technician
1	High	String 3 current reads near zero on 11 of 31 days (synthetic), while strings 1–2 are normal; inverter reported a DC insulation/arc-type alarm on those days (synthetic).	Have a qualified technician inspect string 3 connectors, fuses and modules. We cannot diagnose the physical cause remotely.
2	Medium	Specific yield on clear days drifted ~2 % lower over 6 months relative to the first month (synthetic), a pattern consistent with soiling.	Consider a cleaning check after the next dry spell; compare before/after output.
3	Info	Monitoring data gap of 6 hours on one day (communication outage).	Check logger/network if recurring.

4. Cleaning alert logic (example)

Alert when clear-day specific yield falls more than a set percentage below the plant's own reference level and no fault is flagged. Reference level and threshold are agreed with the owner.

5. Limits of this report

- Based only on SolarEdge / Sungrow monitoring data the owner authorizes us to access; accuracy depends on the platform's measurements.
- Independent desk analysis; not an inspection, warranty claim, insurance report or engineering certification.
- Written / email communication only.