

# Investor Portfolio Snapshot

INVESTOR REPORTING

UK Solar PPA — 2024 R1 Portfolio Assessment · Asset SOLAR UK 005 · United Kingdom

MFPDi is a multi-factor degradation engine used across energy, ESG, and institutional portfolios; this brief shows its application to the Asset SOLAR UK 005 dataset.

<b>MFPDi SCORE</b> <b>46/100</b>	<b>PHASE STATUS</b> <b>Phase 3 — At Risk</b>	<b>RECOMMENDED ACTION</b> Update risk register · Flag for board reporting · Initiate asset review
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<b>ASSETS SCORED</b> <b>1</b> in snapshot	<b>FINANCIAL EXPOSURE</b> <b>GBP 5</b> lifetime exposure (NPV at stated tariff)	<b>MFPDi ADJ. RATE</b> <b>0.55%/yr</b> vs mfr baseline	<b>CRITICAL UNITS</b> <b>0</b> Phase 4 Critical threshold
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■ Ph.1 Healthy Score &gt;=70

■ Ph.2 Watch Score 50-69

■ Ph.3 At Risk Score 25-49

■ Ph.4 Critical Score &lt;25

## FIVE-FACTOR RISK BREAKDOWN

<b>Compounding Risk</b>		<b>31.8</b>
Environmental Stress		<b>70.0</b>
Signal Confidence		<b>45.0</b>
Failure Pattern Match		<b>38.0</b>
Performance Trend		<b>20.0</b>

## Portfolio Risk Exposure

This assessment covers 1 asset in the United Kingdom portfolio. The MFPDi engine has evaluated each asset against the UK Solar PPA — 2024 R1 calibration profile, using OEM ISO baselines and public climate data.

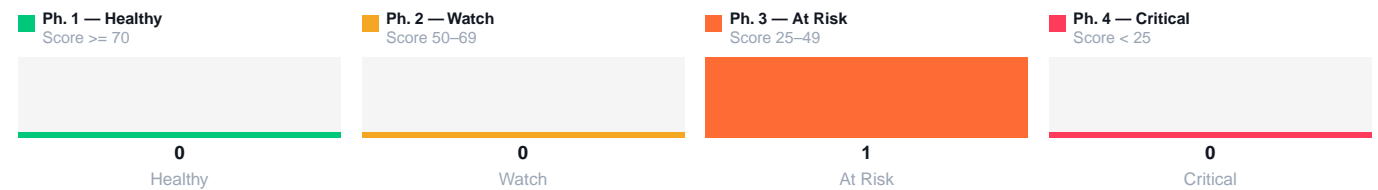
## MFPDi Compounding Risk Analysis

The MFPDi engine applies a five-factor scoring model (Environmental Stress, Signal Confidence, Failure Pattern Match, Performance Trend, Compounding Risk) calibrated to United Kingdom operating conditions. All scores are deterministic and reproducible via run hash 52ea7d06f7d50be86dc6754781b1a00236d82634243966903c8035edb3fa2a89.

**DEGRADATION PROJECTION**

Manufacturer rate	0.50%/yr
MFPDi-adjusted rate	0.55%/yr
Year 15 capacity gap	-0.8%
Year 25 capacity gap	-1.2%

**PHASE DISTRIBUTION**



**Portfolio Risk Record**

Portfolio mean MFPDi score: 45.6. Total financial exposure: GBP 5. 1 asset classified as Watch, At Risk or Critical.

*Financial exposure represents the portfolio-level capital at risk under the stated degradation scenario.*

**INPUTS & ASSUMPTIONS**

Baseline manufacturer degradation rate: 0.50%/yr. Climate stress ranges: low <0.3, high >0.7. Financial exposure: GBP 0.24/kWh commercial rate. NPV calculated at GBP 0.24/kWh, 25-year asset life, 0% discount rate. Carbon intensity: 0.233 kgCO<sub>2</sub>e/kWh (DESNZ 2025). Weather data: Open-Meteo ERA5 historical reanalysis where no weather CSV was provided. MFPDi framework version: 1.0. Report generated: 15 April 2026.

## VERIFICATION PROTOCOL

- 1 Locate the Run ID**  
Find the Run ID on the cover page and in the footer of every page: 52ea7d06f7d50be86dc6754781b1a00236d82634243966903c8035edb3fa2a89
- 2 Locate the Provenance Hash**  
The SHA-256 hash of the source CSV file is recorded here: 1d1a400047d4e8b523863aa5ec25ab95...
- 3 Recompute the hash**  
Using any SHA-256 tool, compute the hash of the original source CSV file you submitted.
- 4 Compare**  
If the recomputed hash matches the Provenance Hash above, the source data is unmodified and this report is authentic.
- 5 Confirm engine version**  
Engine v1.0.0 · Profile 1.1.0 · Scored: 2026-04-15T03:46:32.302Z

## DECISION USE PROTOCOL

### Use Case: Investor Reporting

<b>What this output is for:</b>	Quantitative structural exposure assessment of the submitted dataset under the stated engine and profile version.
<b>What this output is NOT for:</b>	Causal attribution, fault diagnosis, regulatory certification, or investment advice. This is a sensitivity estimate under stated assumptions.
<b>What decision it should inform:</b>	Whether portfolio assets are performing within the risk parameters stated in investor documentation.
<b>What downstream step it triggers:</b>	Update investor risk register, flag for board reporting, or initiate asset-level review for underperforming assets.

*This protocol is provided to support correct interpretation and appropriate use of this report. It does not constitute legal, financial, or engineering advice. Consult qualified professionals for regulated decisions.*

## CALIBRATION PROFILE RECORD

<b>Profile ID</b>	UK-SOLAR-2024-R1 (1.1.0)
<b>Engine Version</b>	v1.0.0
<b>Asset Class</b>	Solar PV (Utility, C&I, Rooftop)
<b>Geography</b>	United Kingdom
<b>Baseline Standard</b>	OEM ISO Performance Ratio Baselines + UK Climate Adjustment
<b>Calibration Source</b>	Public climate data · OEM manufacturer specifications
<b>Calibration Status</b>	<b>Active</b>
<b>Confidence Boundary</b>	Highest confidence for UK ground-mounted solar PV, 50kW–50MW
<b>Additional Profiles</b>	Wind, thermal, and storage profiles available — confirmed at engagement scoping

*This profile is calibrated for UK solar PV assets. Wind, thermal, storage, and non-UK profiles are available and are confirmed at engagement scoping. UK-SOLAR-2024-R1 is the default for self-serve single-asset checks.*

*Multiple calibration profiles and report types are available based on asset class, geography, and data structure.*