

# Decision summary

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Buyer-ready decision summary for reviewing a solar quote before signing.

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## Buyer decision summary

### Solar Quote Guard Decision Summary

#### Buyer decision

- Decision line: Do not sign yet - critical items need correction or written evidence.
- Verdict: Do not sign yet
- Confidence: 100%
- Overall risk: Critical
- Best next move: Do not sign yet

#### What this means

- Use this summary as a negotiation checklist before paying a deposit or signing.
- The findings below show what must be clarified, corrected, or evidenced in writing.
- Critical risk is present, so signing should wait until the installer resolves the listed items.

#### Quote check details

- Project title: Checked solar quote

#### Quote snapshot

- Quote price: 20000 GBP
- System size: 5 kW
- Inverter size: 2 kW
- Annual consumption: 4200 kWh
- Estimated annual production: 12000 kWh
- Battery capacity: 5 kWh
- Battery price: 7000 GBP
- Finance interest rate: 12%

## Do not sign until

- Do not sign until the installer provides an itemised price breakdown and you compare the quote with alternatives.
- Do not sign until the installer provides written sizing calculations or revises the inverter specification.
- Do not sign until the installer provides a credible self-consumption and export-value analysis.
- Do not sign until the installer provides credible production modelling or corrects the estimate.
- Every installer answer is provided in writing before deposit or contract signature.

## Top risks

- 1. Quote price per kW appears critically high (Critical risk, Critical severity): Do not sign until the installer provides an itemised price breakdown and you compare the quote with alternatives.
- 2. Inverter appears severely undersized for the solar array (Critical risk, Critical severity): Do not sign until the installer provides written sizing calculations or revises the inverter specification.
- 3. Estimated production far exceeds the entered consumption (Critical risk, Critical severity): Do not sign until the installer provides a credible self-consumption and export-value analysis.

## Key findings

### 1. Quote price per kW appears critically high

- Risk level: Critical
- Severity: Critical
- Why it matters: The installed price per kW is above the critical level entered for this review and may indicate substantial overpricing or bundled costs that need explanation.
- Buyer action: Do not sign until the installer provides an itemised price breakdown and you compare the quote with alternatives.
- Installer question: Why is the installed price per kW this high, and which itemised costs justify it?

### 2. Inverter appears severely undersized for the solar array

- Risk level: Critical
- Severity: Critical
- Why it matters: The quoted inverter is much smaller than the panel capacity, creating a serious risk of avoidable production clipping or a design mismatch.
- Buyer action: Do not sign until the installer provides written sizing calculations or revises the inverter specification.
- Installer question: Please show the design calculations and expected clipping that justify an inverter this small for the quoted array.

### 3. Estimated production far exceeds the entered consumption

- Risk level: Critical
- Severity: Critical
- Why it matters: The quoted annual production is far above consumption, creating a serious risk that savings rely on unrealistic export value or usage assumptions.
- Buyer action: Do not sign until the installer provides a credible self-consumption and export-value analysis.
- Installer question: Please show how production far above my entered consumption creates the claimed savings, including export volumes and tariffs.

#### 4. Production estimate appears unrealistically optimistic

- Risk level: Critical
- Severity: Critical
- Why it matters: The estimated annual production per installed kW is extremely high, creating a serious risk that generation and savings are overstated.
- Buyer action: Do not sign until the installer provides credible production modelling or corrects the estimate.
- Installer question: Please provide the full production model and evidence supporting such a high annual yield per installed kW.

#### Questions to ask installer

- Why is the installed price per kW this high, and which itemised costs justify it?
- Please show the design calculations and expected clipping that justify an inverter this small for the quoted array.
- Please show how production far above my entered consumption creates the claimed savings, including export volumes and tariffs.
- Please provide the full production model and evidence supporting such a high annual yield per installed kW.

#### Evidence to request

- Full itemised quote showing panels, inverter, mounting, monitoring, installation, tax/VAT, and optional extras.
- Panel, inverter, mounting, monitoring, and workmanship warranty documents.
- Written production assumptions, including annual kWh basis, location, orientation, shading, and degradation assumptions.
- Grid/export approval or written export-limit explanation, if relevant.
- Battery datasheet, usable capacity, warranty exclusions, and separate installed battery price.
- Finance repayment schedule, interest rate, fees, and total amount payable.
- Written installer response for each risk and buyer action listed above.

#### Next-step checklist

- Send the installer questions and require written answers.
- Request the evidence listed above before paying a deposit.
- Compare any revised quote against the original price, system size, inverter size, and production estimate.
- Re-run the audit if the quote changes.
- Save or share this decision summary before signing.

#### Disclaimer

This document is buyer decision support only. It is not engineering, legal, financial, installer, or regulatory certification. It does not approve the quote, validate the installer, confirm grid/export approval, guarantee production, or replace professional review.