

Checklist: what to verify before migrating from diesel to solar PV + BESS

Twelve questions worth having answered before requesting quotes — so the diagnostic starts with information a supplier won't ask for upfront.

1. SEC regulatory compliance

- ☐ **Does the projected installed capacity trigger RIC N°9.1/2021 requirements?** The thresholds change how demanding the electrical project becomes. [RIC N°9.1/2021](#)
- ☐ **Does the storage system (BESS) require a specific declaration under RGR N°06/2024?** Not every storage capacity is subject to the same filing. [RGR N°06/2024](#)
- ☐ **Has the connection point and modality (off-grid, on-grid without injection, with injection) been checked against DS N°8/2020?** The modality shapes most of what follows. [DS N°8/2020](#)
- ☐ **Is there a current or pending TE-1/TE-6 declaration for the interior electrical installation?** This commonly falls outside the equipment supplier's quote.

2. Real load diagnostic

- ☐ **Are there critical loads in the installation?** Motors, cold rooms, industrial ovens, or other 380V consumption that can't tolerate interruption — these change the BESS sizing.
- ☐ **Is there a real hourly consumption record**, or just the monthly bill? Correct sizing needs the consumption profile, not the average.
- ☐ **How much does the diesel generator actually consume during real hours of use**, not nominal capacity — these are different numbers, and only one is useful for sizing.
- ☐ **Is there physical space available with adequate solar resource** for the PV array, free from shading cast by nearby structures?

3. Before requesting quotes

- ☐ **Is the supplier sizing to your real load or to their standard catalog?** This is the question that costs the most money to answer late.
- ☐ **Does the quote include break-even point, margin, and a projected 12–24 month cash flow**, or just equipment pricing?
- ☐ **Are the assumptions behind each figure declared in writing** (avoided diesel price, hours of use, battery lifespan)?
- ☐ **Is there a pessimistic scenario in addition to the optimistic one**, or were you only shown the ideal case?

This list doesn't replace a technical diagnostic — it prepares you so that diagnostic starts with the right information, not generic catalog assumptions.

Want us to review this for your case?

Schedule an initial diagnostic — we respond personally within 24–48 business hours with next steps.

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