



SOLAR PV & BESS

TECHNICAL BANKABILITY CHECKLIST

PREVIEW - 2 OF 9 CATEGORIES

This is a preview of the checklist OctaSol Energy uses on every independent technical due-diligence and owner's engineering assignment. Two of the nine categories are shown in full below. The complete checklist, covering equipment bankability, grid compliance, BESS sizing, EPC capability, construction QA, commissioning, and commercial red flags is available on request.

1. SITE & RESOURCE ASSESSMENT

- **Irradiance data source:** Is GHI/DNI derived from a bankable dataset (e.g. Solargis, Meteonorm) with an on-site or nearby ground-station cross-check, not satellite data alone?
- **P50/P90 basis:** Is the energy yield estimate presented with uncertainty bands, and is the P90 figure the one used in the financial model?
- **Land tenure:** Is site control secured (lease/freehold) for the full project life plus decommissioning, with no overlapping claims?
- **Geotechnical data:** Has a site-specific soil investigation been completed, or is the foundation design based on assumed parameters?
- **Site constraints:** Flood risk, seismic zone, shading, and access road adequacy for delivery vehicles.

9. CONTRACTUAL & COMMERCIAL RED FLAGS

- **"Fully financed" claims:** Verify the funding source and stage independently; unverifiable financing claims warrant additional scrutiny before technical work proceeds.
- **Informal communication channels:** Reliance on personal email/WhatsApp rather than corporate channels for a project of stated scale is worth noting.
- **Circumvention/NCND terms:** For introduced projects, confirm mutual non-circumvention terms are signed before sharing technical or contact information.
- **Scope creep in EPC contracts:** Check design, procurement, and testing/commissioning responsibility are explicitly assigned.

THE REMAINING 7 CATEGORIES

- 2. Technical Design & Engineering → *Full items in complete checklist*
- 3. Equipment & Supply Chain Bankability → *Full items in complete checklist*
- 4. Grid Interconnection & Compliance → *Full items in complete checklist*
- 5. BESS-Specific Items → *Full items in complete checklist*
- 6. EPC & Contractor Capability → *Full items in complete checklist*
- 7. Construction Quality & Testing → *Full items in complete checklist*
- 8. Commissioning & Performance Verification → *Full items in complete checklist*

Want the full checklist?

Email us and we'll send the complete 9-category checklist. Free, no obligation.

hello@octasolenergy.com | www.octasolenergy.com | Dubai, UAE