

Job Title: Production Engineer – Solar Inverter Division

Department: Production – Solar Manufacturing

Reporting To: Production Manager – Solar Division

Location: Jahagirpuri , New Delhi

Job Purpose:

To oversee and execute end-to-end production activities for **solar inverters**, including PCB assembly (SMT & THT), system integration, quality checks, and final product assembly. The role ensures that the production process is efficient, high in quality, and meets the targeted timelines.

Key Responsibilities:

- Supervise complete production line for **solar inverter units** (e.g., 300W to 10kW).
- Coordinate between SMT, THT, and final assembly teams for smooth workflow.
- Monitor inverter PCB assembly, transformer fitting, wiring, casing, and functional testing.
- Ensure daily production targets, process discipline, and quality standards are met.
- Conduct line audits and inspections to reduce defects and rework.
- Maintain documentation for production logs, test reports, and traceability.
- Ensure compliance with **ISO 9001, EMS**, and safety regulations.
- Coordinate with maintenance, purchase, and quality departments for resource and issue management.
- Assist in **new product introduction (NPI)** and product ramp-up planning.
- Optimize manpower, material flow, and takt time for line efficiency.

Educational & Technical Requirements:

- **Qualification:** Diploma / B.E. / B.Tech
- **Experience:** 4–10 years in production of **solar inverters**, power electronics, or energy systems.

- **Key Skills:**

- Knowledge of **solar inverter architecture (MPPT, PWM, Grid-Tied, Off-Grid)**.
- Experience with PCB assembly (SMT & THT), system wiring, testing, and integration.
- Understanding of test setups for voltage, current, thermal, and efficiency parameters.
- Hands-on with soldering, crimping, power board assembly, and quality checks.
- Familiar with **tools like oscilloscopes, multimeters, and load testers**.

Preferred Experience:

- Worked in **solar product manufacturing** (inverters, charge controllers, hybrid systems).
 - Knowledge of industry standards like **IEC, BIS, MNRE compliance**, etc.
 - Proficiency in ERP systems for production planning and reporting.
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Personal Attributes:

- Good team leadership and coordination skills.
- Detail-oriented with a focus on safety and quality.
- Willingness to work in shifts and under tight deadlines.