



Example of Power Design Engineer Job Description

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Our growing company is searching for experienced candidates for the position of power design engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for power design engineer

- Plan, conduct, and coordinate various engineering development activities
- Prepare reports and related documents in accordance with internal & external requirements
- Develop and maintain transformer mechanical design manuals, standard Bill of Material [BOM] structures, and drawing standards
- Demonstrated knowledge in preparing electrical and control schematics
- Generate, review and approve purchase specifications for external equipment, such as transformers, switchgear, converters, harmonic filters
- Develop the relevant engineering deliverables, such as drawings, bill of material, electrical diagrams, application software, equipment purchase specifications, test procedures, technical descriptions and instructions
- Provide interpretations of codes and standards, such as NEC, UL, ANSI, IEC
- Working knowledge to develop and generate control software using PLC based automation equipment for grid connected power conversion systems
- Work closely with the hardware designer to optimize the power delivery network
- Work closely with silicon design team and bring-up lead for the power measurement, characterization, debug and analysis

Qualifications for power design engineer

- Customer-satisfaction must be part of your day-to-day vision
- You have a dynamic personality and a proactive and innovative approach to

- PhD in Electrical Engineering or equivalent with RF Power IC design emphasis
- GaAs design expertise a plus
- Design experience in standalone and integrated power amplifiers