

Job ID: **RK52510C**
Job Title: Lead Electrical Engineer
Degree Requirements: BS Electrical Engineering
Years of Experience: 5
Type of Position: Direct Hire
Location: Raleigh / Durham, NC Area
Salary Range: \$75K - \$85K
Travel Required: <15%

IMMEDIATE DIRECT HIRE NEED for a Lead Electrical who has a minimum of 5 years work experience and a BS Electrical Engineering from an ABET Accredited College or University. Full benefits. No relocation assistance is available for this position. The client prefers Local Candidates unless you are willing to relocate yourself to the Raleigh / Durham area.

The **MUST HAVE ITEMS** for this position are:

- BS Electrical Engineering
- 5 years proven experience in electrical & electronic circuit design
- 3 years of proven experience developing & applying advanced digital controls and algorithms for power conversion
- Thorough understanding of Discrete Control Theory and Power Electronics
- Ability to analyze, troubleshoot and program Field Programmable Gate Array (FPGA) and Complex Programmable Logic Device (CPLD)
- 3 years experience writing code for embedded processors in C / C++
- Familiarity with common tools and methods to work in high power lab environment (oscilloscope, power analyzers, power meters)
- High level of attention to detail
- Safety awareness lab environment around high voltage is critical

CLIENT PREFERENCES for this position are:

- New product development experience
- Training on Design for Six Sigma concepts

The **RESPONSIBILITIES** include but are not limited to designing, developing, and testing power electronics and other electrical systems and subsystems for new and existing power quality products. Design & develop power converters and electrical systems for uninterruptible power systems and accessories

- Analyze & simulates power electronics systems (analog, logical, digital electronics)
- Participate in new product development projects (uninterruptible power systems and other power quality products)
- Meet schedule, cost and product performance goals
- Work closely with cross-functional team members
- Review product development requirement specifications for internal & external customer requirements
- Write and maintain functional specifications of design solutions
- Evaluate alternative design solutions to meet product development requirements in regard to performance, cost, & schedule
- Stay up-to-date on latest power electronics, embedded software, & controls strategies
- Apply knowledge & experience to power electronics applications
- Apply Six Sigma principles to the design and development process
- Work with factory, service, & product engineering departments
- Support introduction & field deployment of new products

If you meet these requirements and wish to be considered for this position, send your résumé to us using Word 97 -2003 at Resumes@PinnaclePlacementGroup.com mentioning the **Job ID** and the **Job Title** in the subject line of your email.

Please provide us a short narrative detailing your experience and expertise as it applies to this position.