

Power Electronics Engineer (m/f/d)

Start date: now to May · Full time 40h/week · Munich/Stuttgart/Remote

Why Daylight?

We share a passion for developing innovative products to democratize the solar energy market and empower everyone to contribute to the fight against climate change - with green solar energy.

We are a team of young and motivated professionals and maintain an open, positive and fair working environment.

About this role

The mission of this role is to turn all your technical knowhow and experience with power electronics into a wonderful piece of PCBA. This role will involve designing and developing power electronic systems and subsystems for the company's innovative products.



YOUR TASKS

- Designing and developing embedded power electronic systems and subsystems, including DC-DC converters, AC-DC converters, and battery management systems based on GAN-devices controlled by high frequency PWM
- Developing control algorithms and firmware for power electronic systems
- Designing and implementing test plans and procedures to ensure the quality and reliability of power electronic systems
- Collaborating with cross-functional teams, including mechanical, software, and electrical engineers, to integrate power electronic systems into products
- Staying up-to-date with the latest power electronic technologies, trends, and industry standards
- Ensuring that products meet safety and regulatory standards
- Creating and maintaining detailed documentation of design and test procedures

YOUR PROFILE

- To excel in this role, you will need a technical education, bachelor's or master's degree in electrical engineering, power electronics, or a related field.
- Strong knowledge of power electronic circuits and control systems is essential, as well as experience with embedded systems and microcontrollers.
- Strong analytical and problem-solving skills, as well as experience with simulation and design software, such as LTSpice. MATLAB/Simulink and PLECS skills are a plus.
- Several years of experience in developing state of the art products
- Additionally, you will need to be able to think creatively and outside of the box, as well as being able to adapt and change as the startup grows and evolves.
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YOUR BENEFITS

- We are young and motivated team with a passion for our jobs
- You will see your ideas taking shape quickly, bring in your thoughts, re-think and challenge the status quo
- You can work remotely from home equipped with top hardware. Yet we will provide a shared desk in one of our co-working spaces
- We believe in regeneration and agility. Therefore, we offer 30 days of vacation for you to fuel up and find new inspiration
- We offer attractive employment contracts with employee participation for new team members who join us to power the Daylight vision.

Do you want to become part of the Daylight Eco Team? Send your CV and a short motivation letter including your availability and salary expectations to team@daylight.eco

Your contact person:

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