



## Design Specialist - Power Electronics

Danfoss Power Electronics  
Denmark  
**Job reference:**DK02152

Do you want to contribute to the success story of a global organisation with an accelerating growth? At Danfoss Power Electronics we are experiencing an increasing demand on our energy-efficient solutions, frequency converters and solar inverters. As such we are on the lookout for additional competencies that will use their skills and knowledge right in the heart of our development division – the R&D Centre in Graasten.

### Design the inverter section of motor drives

You will join the Power Engineering department as Design Specialist in one of the world's largest R&D organisations within power electronics. Here your main objective will be to design the inverter section of the motor drives for our products. More specifically, your tasks will cover:

- the gate drive design
- IGBT selection
- power loss and thermal calculations
- component qualification
- circuit simulation
- engineering tests

You will focus on delivering quality and cost-efficient solutions in time to your customers. This job will give you a wide surface of contacts, e.g. to our global R&D organisation, Marketing and the Supply Chain.

### Electrical Engineer with in-depth IGBT component knowledge

You have topped your degree in Electrical Engineering with at least 4 years' experience designing inverters for motor drives. From your working experience, you have obtained in-depth IGBT component knowledge and become a skilled user of simulation tools. On the personal level, you are characterised by your honest and open mindset and as a colleague who takes responsibility for the tasks at hand. Also, you thrive on being part of a team where there is room to achieve results through solid cooperation as well as on your own. In addition, you must have solid language skills in either Danish or English.

### For further information about the position,

please contact Power Engineering Manager, Steen Hornsleth at +45 7488 4953 or +45 3058 0933.

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*The Danfoss Power Electronics division has three business units: Danfoss VLT® Drives, Danfoss Customised Power Electronics and Danfoss Solar Inverters. With supply chain, research and development centres in China, Denmark, United States and Germany, we develop, produce and market high quality energy-efficient power electronics solutions. Our solutions are used in many different applications, such as pumps, electrical motors, conveyors and cranes. We are also among the world's leading developers of*

solar inverters.

*Danfoss A/S is one of Denmark's largest industrial companies. We have an annual turnover of around DKK 22 billion, and have around 26,000 employees worldwide. We provide solutions within Climate and Energy, a sector we see as a major driving force in the future world economy. We show leadership in business through reliability, excellence and innovation. No matter where you find yourself at Danfoss, the customer is at the center. Our work reflects our corporate behavior; trustworthy, innovative, global, with respect for local cultures and constantly working towards sustainable results.*

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