

# Danfoss PowerStack Light



## Features

- 3-Phase PowerStack
- Current measurement
- Voltage measurement (optional)
- Temperature measurement (PTC or NTC characteristic)
- Cooling (liquid or air)
- ShowerPower® cooling available
- Optimized gate driver for low losses
- Optional active clamping
- VCE(sat) detection
- Self-protected
- Under voltage detection
- Half-bridge interlocking
- Digital Dead time insertion
- Short pulse suppression
- Signal conditioning
- VCE(sat) detection
- Active clamping
- Over-current trip/alarm feedback
- Over-voltage trip/alarm feedback
- Over-temperature trip/alarm feedback
- Earth fault detection
- Standard interface 26 Pin connector
- Other interfaces on request
- Customised error logic feedback

## Applications (examples)

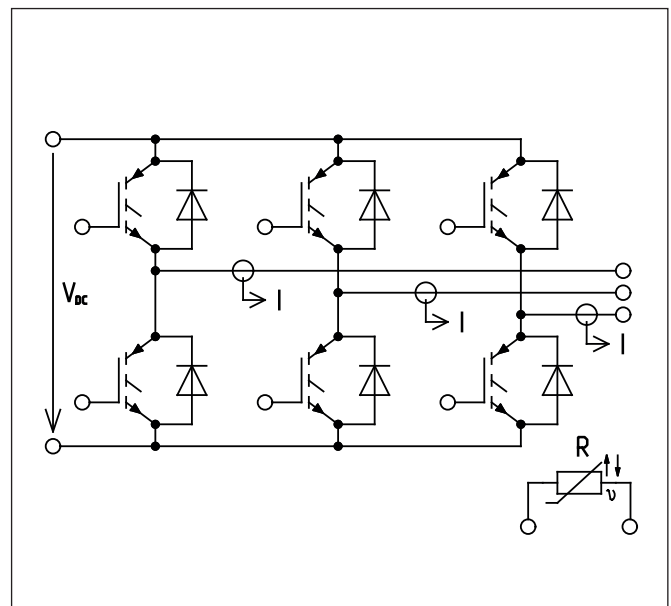
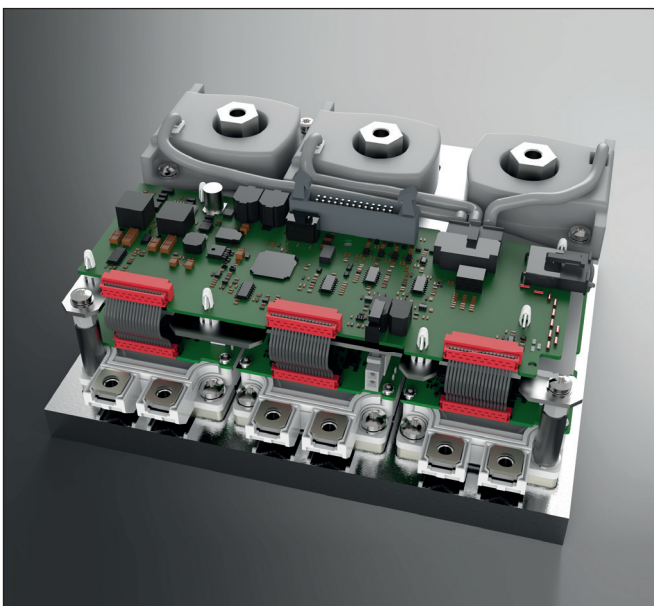
- Motor drives
- Solar inverter
- Wind turbine
- UPS
- Inductive heating

## Specifications

- 3 phase, 2 level half-bridge ; DC capbank optional
- 400 – 575VAC
- 200A/300A (3 x 300/450A – 1200V modules)
- Switching frequency 2-12 kHz

## Types

- PSL300 1200V 200 Arms
- PSL450 1200V 300 Arms



# Danfoss Silicon Power

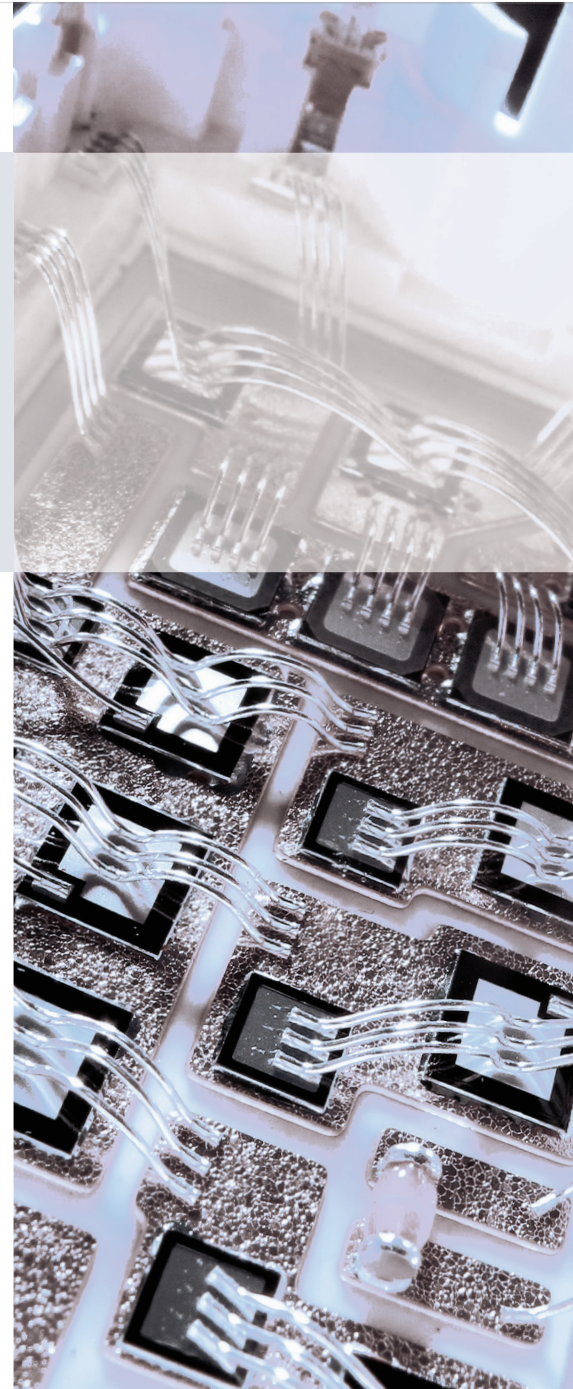
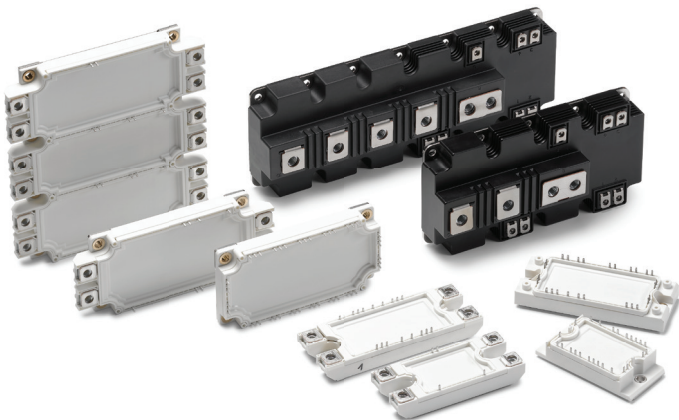
Based in Flensburg, Germany, Danfoss Silicon Power is a leading developer of customer specific IGBT and MOSFET modules and power stacks for power intensive applications.

Our power modules and power stacks are a preferred choice in demanding automotive and wind power applications and a wide variety of industrial applications.

Our 35,000 m<sup>2</sup> research, development and production facility is certified according ISO 9001, ISO/TS 16949, ISO 14001, ISO 50001 and OHSAS 18001. This enables us to quickly transfer

development projects to high volume production that can be integrated seamlessly into our customers' supply chain with full focus on quality.

Danfoss Silicon Power is a subsidiary of the Danfoss Group, the largest industrial company in Denmark. Danfoss employs more than 24,000 people in 100 countries within development, production, sales and support.



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