

## Fact sheet

# Customised to the mission profile in heavy duty applications where **reliability is critical**

Danfoss power stacks

## Based on experience. Built to last.

Designed for demanding applications, harsh environments and long life, the Danfoss power stack is a highly reliable building block in any power conversion system.

Using a modular design concept, the Power Stacks are customised to the specific mission profile in for example marine, wind, offshore, oil & gas and mining applications. This way you benefit from having your own, custom tailored product with dedicated ratings and long lifetime.

Take advantage of 40 years' experience within energy optimisation, power conversion and thermal management and keep it cool with ShowerPower®.

## Features

- 380 – 690 VAC
- 500 – 1400 Amps
- Scalable up to 8 MW power
- Free topology: DC/AC, AC/DC or AC/DC/AC
- Power density up to 15 kVA/ltr
- Ambient temperature -25 to 55°C
- Switching frequency 2 – 4 kHz
- Danfoss power modules - Cu or AlSiC baseplate
- Liquid cooling with ShowerPower®
- Analogue voltage, current and temperature measurements
- Full protection built in
- Easy paralleling

Up to  
**8 MW**

Scalable and customised  
for the specific mission  
profile to provide  
ultimate performance  
and reliability



### Advantages

- High power density
- Compact and light weighted
- Modular design, easy paralleling
- Reliable liquid cooling
- Made for harsh environments
- Flexible configuration / topology



## Cooled by ShowerPower®

Developed and patented by Danfoss, ShowerPower® is a superior, direct liquid cooling technology that uses simple, robust plastic parts to provide homogenous cooling across large power modules.

- Eliminates the need for thermal interface material
- Allows direct cooling with standard power modules
- Achieves very low differential pressure drop

