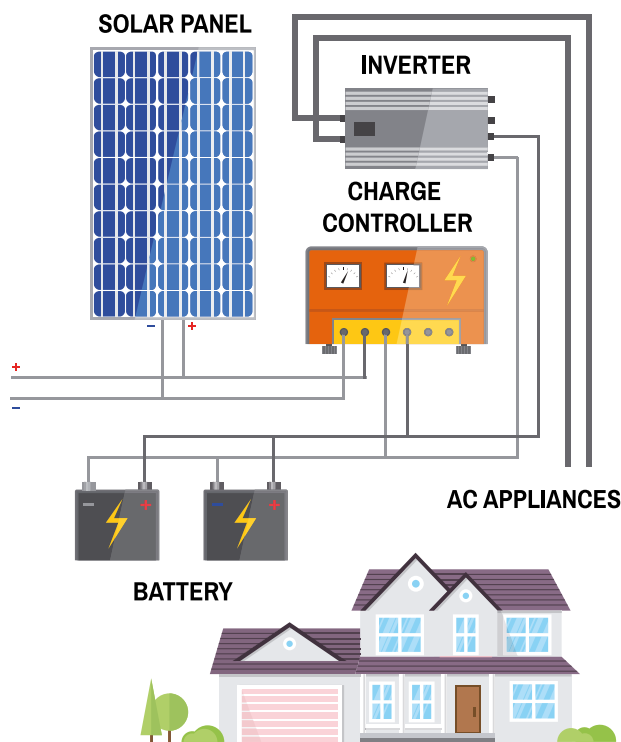


# BIDIRECTIONAL ISOLATED DC/DC CONVERTER (DAB)

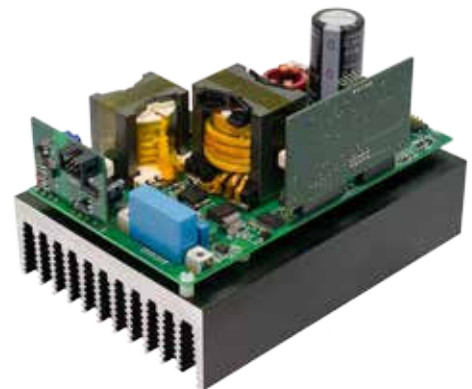
This innovative DC/DC-Converter allows the coupling of a high voltage circuitry with a SELV level battery systems with full power flow in both directions!

The implementation of the upcoming (resonant) Dual-Active-Bridge (DAB) topology shows again, that Finepower is driving cutting-edge technologies in power conversion applications.

In combination with our PFC/Inverter module you can easily build up a stable home grid for maximum reliability and usage of self-generated renewable energy.



- ▶ Safe galvanic isolation (SELV)
- ▶ Full power for charging and discharging of batteries



## Main features

- ▶ Form factor optimized isolated DC/DC converter
- ▶ Uni- or bidirectional power flow possible
- ▶ Based on innovative DAB topology for high efficiency

## Technical Data

High voltage side	300... 440 V <sub>DC</sub>
Low voltage side (SELV)	35... 59 V <sub>DC</sub>
Max. output power	1500 W
Max. efficiency	>96%
Power flow	bidirectional
Dimension	170x100x60 mm
Cooling	heat sink with natural air convection