

## A-Core Container

# Combined three-phase bidirectional inverter



## Overview

---

This reference design provides an overview on how to implement a bidirectional three-level, three-phase, SiC-based active front end (AFE) inverter and power factor correction (PFC) stage. The design uses switching frequency up to 90 kHz and an LCL output filter to reduce the size of the magnetics.

## Combined three-phase bidirectional inverter

---

### Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.a-core.pl>