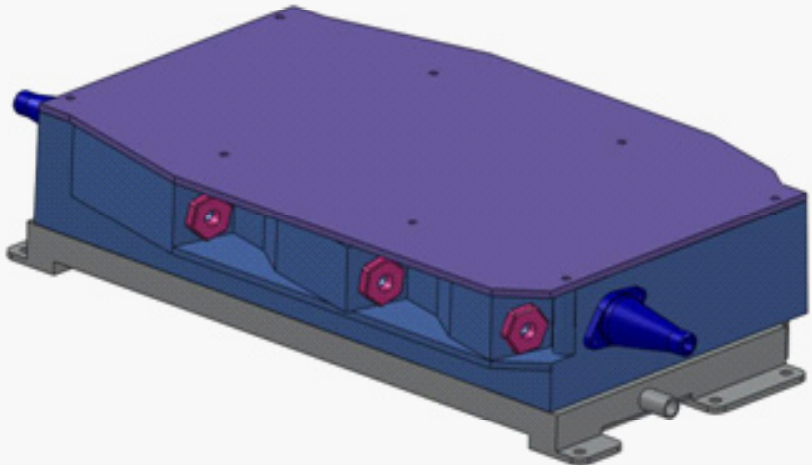
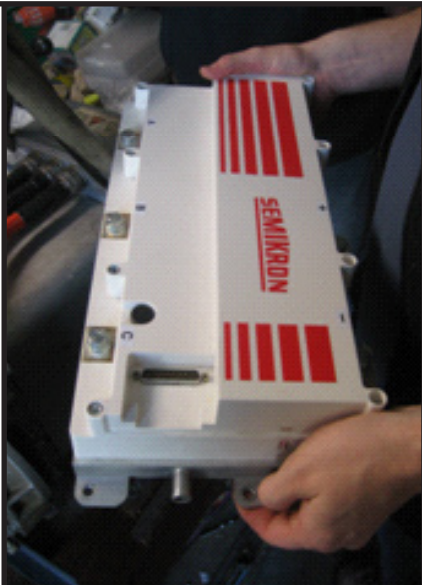

kiWiAC

200 kiWi AC

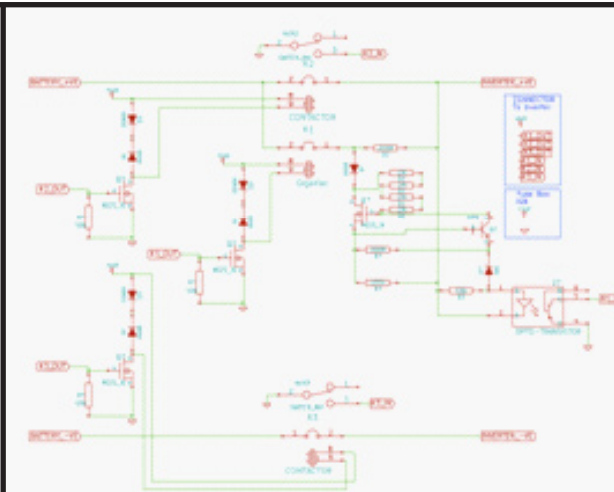
by
greenstage 



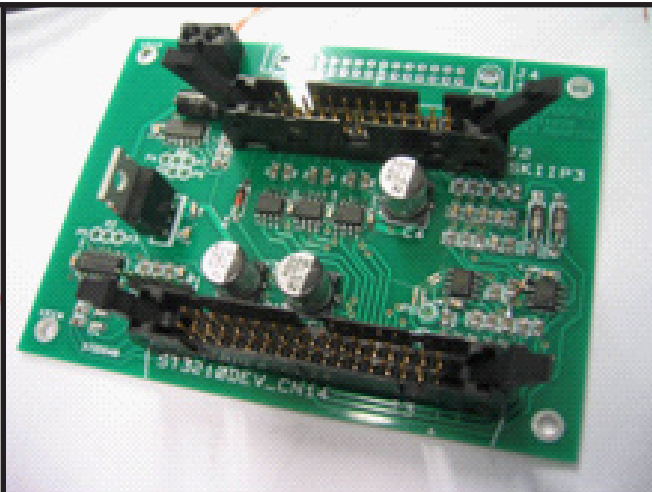
Quality Semikron SKAI power stage. Optional protective casing or standard HV electrical cabinet



No compromise on safety with a fully featured contactor system. Disconnects both positive and negative battery leads and provides complete galvanic isolation when contactor is switched off. Control board with integrated STM32 CPU (not shown).



Contactor Circuit



Tumanako interface board (beta v0.9)

Specifications:

- 200kW (at 750V DC nominal input)
- 3 phase AC drive controller
- Water cooled (8 ltr/min)
- Loom (configurable lengths)
- Separate contactor box (Gigavac contactors)
- Separate control board
- Open Source software for vehicle control
- Open Source software for motor control
- Open hardware designs (Creative Commons licence)
- Off the shelf Powerstages

Inputs:

- IGN (SPST switch, with cover) - Engage Contactors
- Start (momentary push button) - push to enter run mode
- Direction FWD/NET/REV (SP3T switch)
- Crawl Mode (SPST switch) - Enter crawl mode for low speed navigation
- Positive Torque (Throttle) POT
- Negative Torque (Brake) POT

Outputs:

- Run Mode Indicator (Green LED) - illuminated when in run mode
- Fault Indicator (Red LED) - illuminated when fault is detected

Being based on the Tumanako Open Source project the KiwiAC is always being improved by the community and it's users.

To participate go to <http://tumanako.net>

Source code and hardware designs available at:

<http://tumanako.svn.sourceforge.net/viewvc/tumanako/trunk/inverter>