

BROSE Systeme GmbH

- Established in 1964 by Hans-D. Brose
- Owner managed company
- 5 employees
- ISO 9001 certified

- Electronic Development
- EMC Troubleshooting
- Quality assurance
- Software Development
- PCB Layout



Own Products

- Digital panel meter and rail mounting instruments for measuring of voltage, current, resistance, strain gauge, timedependent measuring and temperature
- Isolation Amplifier for voltage, current, resistance and strain gauge
- Customised specific boards and devices



Customer Specific Development

Quality assurance system for automotive application

- Load circuits with up to 300 W
- Temperature compensation
- Test procedures Database-based with local synchronization for offline operation
- Stand-alone resp. offline functional
- Remote maintenance and self-acting calibration via external adapter
- Operating system RTOS resp. Linux



Customer Specific Development

Solar power bank

- Charging with solar modul with MPP tracking
- USB and notebook charging outputs
- Build-in NiMH charger
- Energy management of internal Lilon battery with 68 Wh



Customer Specific Development

Solar power banks with measure functions resp. community uplink

- Solar input with MPP tracking
- Measure functions
- Display resp. tamper-proof upload of collected energy values to a Community Portal
- charging of USB devices



Customer Specific Development

Electronic for solar driven medical cooler

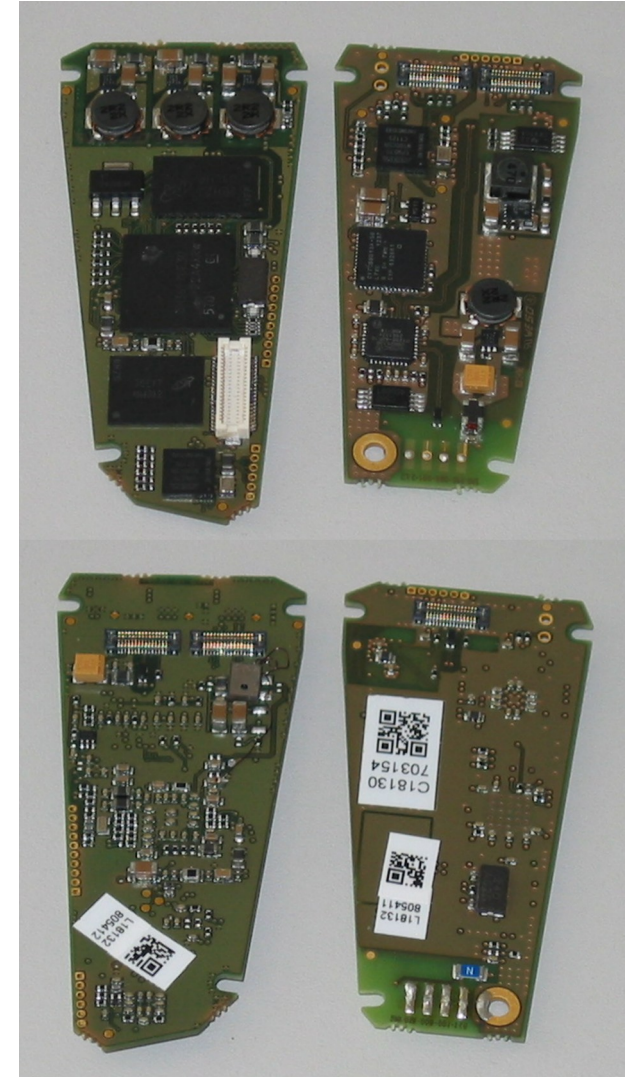
- Solar management of compressor, fan and external connected load
- Logging of cooling chain
- Battery management of internal Lilon titan battery
- Operation with keys and LCD display with backlight
- USB interface for settings and reading out the logging



Customer Specific Development

Redesign of electronic assemblies

- Miniaturization
- EMC optimization
- Improvement of the reliability
- Multi processor system with ARM 9
DDR2 memory and flash



Our Competence

- Process measuring and control technology
- Micro controller design and programming
- Analog circuit design
- Design of switching power supply
- Development and performing of QM-tests
- Experience in fieldbuses, ethernet, USB, BTLE, Z-wave, Touch, Wireless Power, solar applications with MPP-Tracking
- Battery management of NiMH and lithium batteries
- Development of LibreOffice/OpenOffice XML filter, application programs under linux and windows
- Redesign, EMV support and enhancements of circuits

Our Resources

- Development, prototyping, manufacturing, quality inspection and assembly of electronic devices.
- Development and testing environment for 8051, AVR and ARM Cortex family in assembler, C and basic
- Calibrators for voltage, current, resistance, measurement equipment, temperature chamber, optical temperature meter, power supplies, high voltage tester
- Cooperation with reliable EMC laboratory
- Schematic and pcb layouts with Eagle and other systems
- Mechanical workshop with drilling, milling and lathe machinery

We thank you for your interest

For further information please visit
our website under www.brose-systeme.de