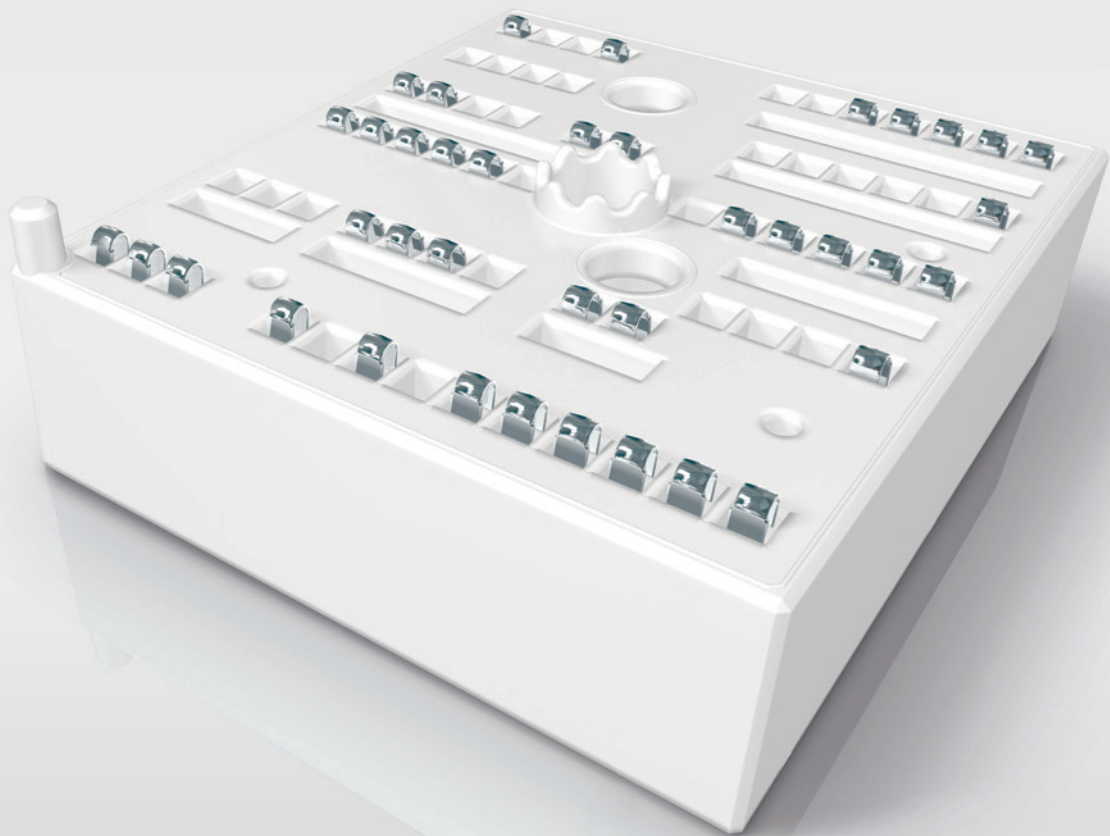


Scalable without Compromise



MiniSKiiP®

2kW up to 90kW



Motor
Drives



Solar
Energy



Power
Quality

AC | DC

Power
Supplies



MiniSKiiP®



MiniSKiiP modules are designed for 600V/650V, 1200V and 1700V with a power range that covers 4A - 400A, providing a possible inverter output power of 90kW.

Benefits

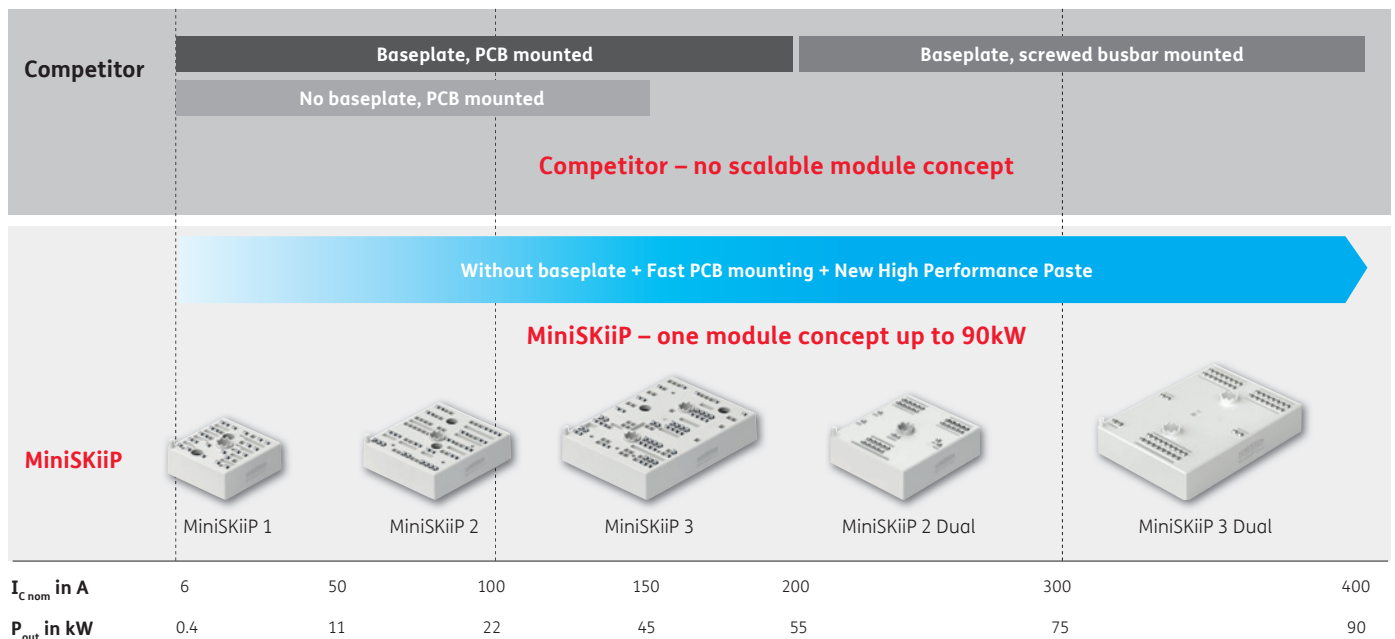
An important benefit of MiniSKiiP modules is the outstanding easy assembly and service friendly spring-contacts for the load and gate terminals. Compared to conventionally soldered modules, where an expensive soldering equipment and time-consuming solder processes is required, no special tools are needed for MiniSKiiP assembly, only a one or two screw connection is required. The printed circuit board (PCB), the power module and the heat sink are all assembled in one mounting step.

Applications

With almost two decades of experience and more than 30 million modules in the field, this module platform has proven successful in all standard applications like standard drives, stand-alone drives, servo drives, system drives, solar inverters, UPS systems and welding machines.

Product range

MiniSKiiP modules are designed for 600V/650V, 1200V and 1700V with 4A - 400A nominal chip currents. In addition to CIB, 6-pack, twin 6-pack, H-bridge, half bridge and 3-level, customer specific modules are also available. For fast evaluation, lab test boards can be ordered for each module type.



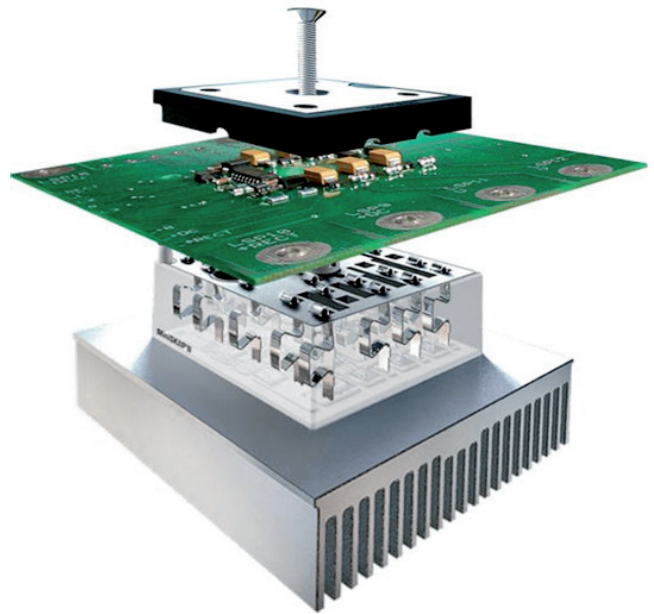
Key features

- Current range 4A to 400A for inverter power up to 90kW with one product platform
- Comprehensive setup of topologies: CIB, 6-pack, twin 6-pack, H-bridge, half bridge, 3-level, bridge rectifiers with brake chopper
- Solder-free **SPRiNG** Technology for shortest assembly time by one/two screw mounting

The SPRiNG Makes the Difference

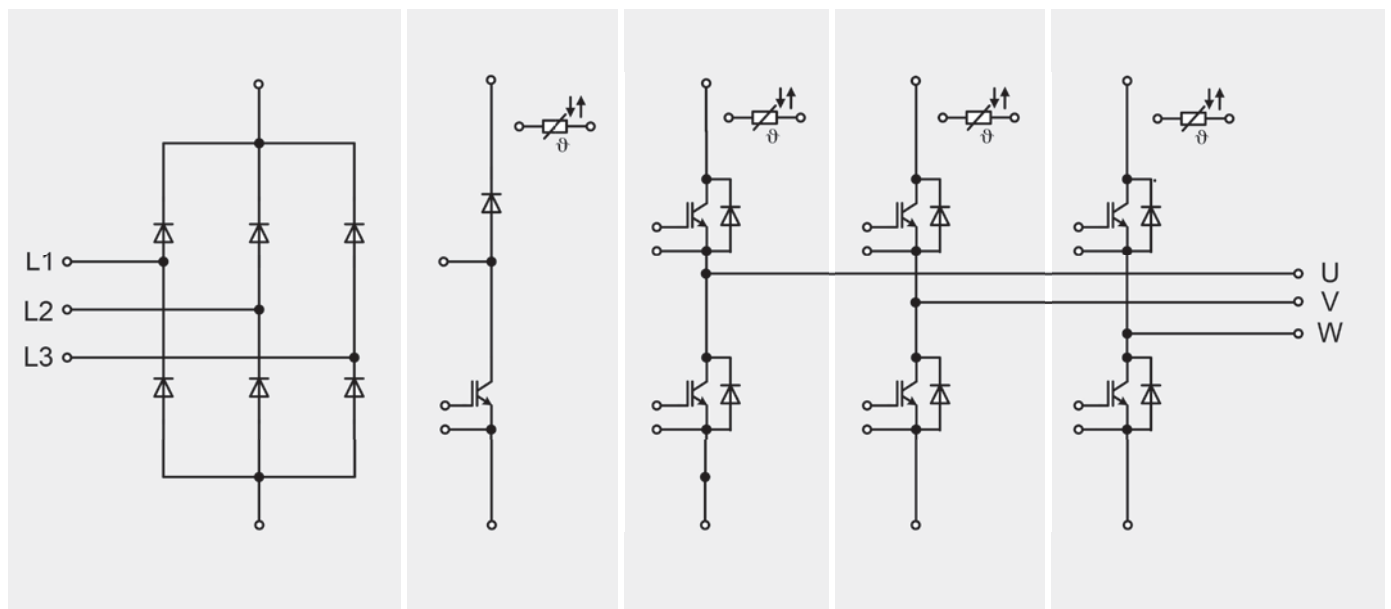
Cost reduction and customer benefits

- Shortest assembly time with solder-free **SPRiNG** Technology; Module, PCB and cooler can be mounted in one easy step
- Easy and flexible PCB routing without pin holes
- PCB assembly and disassembly without the need of special tools
- Available with pre-applied high performance thermal paste



Our solution for a 90kW PCB mounted inverter using 400A/1200V MiniSKiiP Dual


- One entire PCB concept for rectifier, chopper and inverter
- System cost savings with less materials used compared to baseplate module solutions
- Compact inverter design replacing copper bus bars with high power PCBs
- Same module sizes and contact technologies for all parts







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 de.linkedin.com/company/semikron

SEMIKRON INTERNATIONAL GmbH

Sigmundstrasse 200
90431 Nuremberg, Germany
Tel: +49 911 6559 6663
Fax: +49 911 6559 262
sales@semikron.com

www.semikron.com
shop.semikron.com

