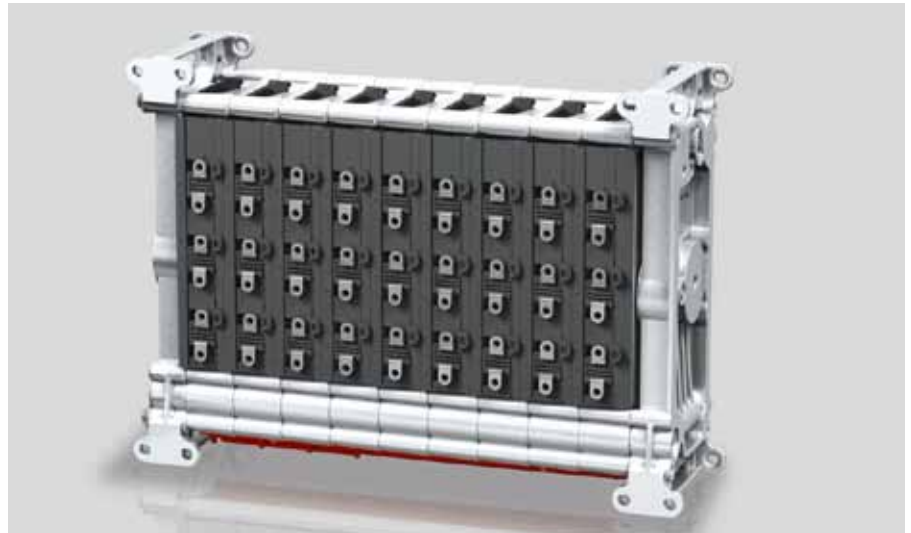


SEMIKRON is one of the world's leading manufacturers of power modules, stacks and systems primarily in the medium power range (approx. 1 kW up to 10 MW). Our products are at the heart of modern energy efficient motor drives and industrial automation systems. Further application areas include power supplies, renewable energies (wind and solar power) and utility vehicles. SEMIKRON's innovative power electronic products enable our customers to develop smaller, more energy efficient power electronic systems. These systems in turn reduce the global energy demand.

SEMIKRON is a family owned business founded in 1951, headquartered in Nuremberg, Germany. Today the company has a staff of more than 2,900 people in 25 subsidiaries world-wide. This international network with production sites in Germany, Brazil, China, France, India, Italy, Korea, Slovakia and the US ensures fast and comprehensive service for customers. By establishing the ONLINE SHOP in 2009, SEMIKRON increased its presence for customers. The SEMIKRON ONLINE SHOP offers 24-hour availability and world-wide access with multi-language sales and technical support.



3-phase inverter SkiiPX, SKiN inside

In 2011 SEMIKRON introduced a revolutionary packaging technology for power semiconductors which does away with bond wires, solders and thermal paste. The new SKiN Technology is based on the use of a flexible foil and sintered connections rather than bond wires, solders and thermal paste. This results in a higher current carrying capacity and 10 times the load cycle capability – unthinkable with the restrictive wire bonding used in power electronics in the past. Therefore inverter volume can be reduced by 50%. This reliable and space saving technology is the optimum solution for vehicle and wind power applications.



Wire bond-free packaging technology for power semiconductors