






E-MOBILITY

Manufacturers	Products	Applications
	1000 Watt Full-Bricks with wide input range at 9 to 36VDC and efficiency at 95%. The 3,000 Watt 12V/48V Bi-directional Non-Isolated DC/DC-Converters with an efficiency up to 97% and CAN 2.0b interface including remote ON/OFF, DC/DC Converter with input voltage from 240 to 450VDC, output voltage from 9 to 16VDC and 3kW output power with an efficiency > 96% (peak efficiency), good shock and vibration dampening, operating temperature range -40 to +105°C, up to 5-year warranty	EV-Chargers, EV, Autonomous Vehicles, Mild-Hybrid-Vehicles
	EV Input DC-DC Converters from 60V up to 800V with 1 to 4.2KW, output voltages with 13.8 to 55V, customized CAN communication, programmable CV/CC Output, IP67 Enclosure, liquid or forced air cooling, higher power through parallel multiple converters or custom-designs, EV On-Board Chargers with 85 to 265VAC input voltage and single 6.6KW OBC or 2-in-1 integrated 6.6KW OBC and 2KW DC/DC, liquid or forced air cooling, IP67 Enclosure, CAN Communication, compliance with SAE J1772/IEC 61851	Electric Vehicles
	BOSS-Multi Axis Motor Controllers, High Performance Miniature Motor Controller Drivers, High Performance DC Motor Controller Drivers, High Performance EV Dual-motor Controller Drivers, High Performance and High Power Motor Controller Drivers, Heavy Duty Motor Fan Drivers, High Performance Stabilization Systems, Electronic Circuit Breakers, Multichannel Power Riders	Automotive, Hybrid Vehicles, Very Small Robots
	Green-Cap Modules with rated voltage of 15 to 129.6V and capacitance with 66.6 to 500F, operating temperature -40°C to +85°C and up to 10 years lifetime. other Green-Cap Modules are made on custom-made basis, balancing and overvoltage protection of individual cell. Supercapacitors up to 3V, wide temperature range -40 to +65°C, -25 to +70°C Green Caps (EDLC): 3 to 3000F, 2.5 to 2.7V, very low ESR, environmental Hybrid Capacitors: 250 to 7500F, 2.8V, low ESR, no explosion, long cycle life Battery-Caps: 1000 to 70000F, 2.7V High Power and High Energy types	Hybrid Vehicles, Golfcars, Electric Scooters

DISPLAY AND CONTROL ELEMENTS

Manufacturers	Products	Applications
	Piezo Electric Pushbutton Switches: Ring-, Point- and Non-illuminated from 16mm to 28mm diameters. Piezo Electric Keypads, Access Control Stand Alone, Access Control Keypads with communication protocol, Access Control Keypads Reader, Industrial Solutions and Custom Design, all products are in Aluminium or Stainless Steel with an operation temperature from -40 to +125°C and IP68/69K protection class. Tested for 50,000,000 cycles including vibration and impact tests Piezo Technology Pushbuttons work reliably under a glass thickness of 3 mm	Fuel dispensing e-Car Charging, Underwater, Submarines, Oil and Gas, Parking Systems, Airport, Aviation, Military, Rail Traffic & Public Transport, Emergency Switches
	Character Displays & Graphic LCD Displays, TN-, STN-, FSTN-, COB-, TAB-, TFT-, LCD-Modules, HDMI/VGA Driver Boards, UART Interface, OLED Character & Graphic Displays, OLED Modules, OLED Switches	Industrial Measuring Instruments, Control Devices