

# POWER MANAGEMENT

Manufacturers	Products	Applications
	<p>Isolated Single, Dual and Triple Output DC/DC Converters up to 2100W, High Performance DC/DC-Bricks, high efficiency operation up to 97%, Module &amp; Open Frame Converters, SMT&amp;THT, Brick Assembly Modules (CBAM™), Commercial-off-the-shelf (COTS) Converters, Bi-directional 3000W, High-Power-Custom DC/DC Solutions, AC/DC 300W and 600W with 90-264VAC input operating temperature range -40 to +105°C, up to 5-year warranty</p>	<p>Industrial, Transportation, Medical Industry, Avionics, Defense, Marine, Railway</p>
	<p>Single and Dual Output DC/DC Converters from 1 to 75W, Industry Standard Footprints SIP, DIP, SMT, 1x1 and 1x2 Thru Hole Patterns, Switch mode AC/DC Supplies, 15 to 150W chassis, encapsulated PCB mount from 2 to 60W, 2-year warranty</p>	<p>Commercial, Industrial, Medical Industry, Railway</p>
	<p>DC/DC-Converters Isolated and Non-Isolated, Point-of Load DC/DC-Converters 15 to 100W, 24-Pin DIP DC/DC-Converters up to 15W, 1"x1" DC/DC-Converters up to 40W, DOSA-Compatible Brick DC/DC-Converters 14 to 600W</p>	<p>Industrial, Medical, Scientific, Hi-Rel Military, Airborne, Aerospace, Railway</p>
	<p>Highly Efficient Dual Regulated Output Ambient Energy Manager, Harvesting from Photovoltaic Cells and Thermo-Electric Generators, Ultra-Low-Power-Start-up, Ultra-Low-Power Boost Regulator, integrated LDO Regulator at low voltage 1.8V and high voltage 4.2V, Flexible Energy Storage Management, input voltage 60mV, input power 3µW, smallest footprint, package QFN-28-pin, smallest external BOM</p> <p>New Products: Photovoltaic-, Thermal-, Vibration-, RF- Energy Harvesting PMICs</p>	<p>Wireless sensors, Industry 4.0, Home Automation, Security, Retail, Smart Metering, Smart Agriculture, Wearables, E-Health, Mobility</p>
	<p>Highest Energy and Power Density Capacitors with MTBF&gt;5,000,000 hours, product range 68 to 240,000µF (10 to 125V) +85°C and +125°C, very low ESR, very high current handling capability, highest levels of quality, operating temperature up to +200°C</p>	<p>Power Hold-up Avionics, Laser Pulse Power, Phased Array Radar Pulse Power, Replacement of Standard Capacitors &amp; Batteries, Oil &amp; Gas Exploration</p>
	<p>The world's first reflowable, slim profile, low ESR Ultracapacitor +85°C, 500mF Hermetic Ultra-Capacitor Technology D &amp; AA size cells, 33 to 370F capacitance, extreme temperature operation -40 to +300°C, custom modules, vibration &amp; 500g shock resistance, lithium free - no risk of explosions, high cycle life, 20+ year shelf life, weldable terminals for parallel or series connect</p>	<p>Hi-Rel Avionics, High Temperature Products for Oil &amp; Gas Exploration</p>
	<p>High-End thermal interface gap filler pads non-reactive, non-silicon, no cure system featuring high thermal conductivity (&gt;40W/mK) &amp; (&gt;20W/mK) and high thermal stability, with continuous operation over 150°C</p>	<p>High Temperature Products for EVC, High Power Cooling Systems</p>
	<p>Isolated DC/DC- Brick Converters 15 to 1000W, efficiency up to 95%, over-voltage, over-current, short-circuit and over-temperature protection Rugged COTS DC/DC Converters up to 800W, input voltage range 10:1, 8:1, 4:1, 2:1 Railway DC/DC-Converters: Input voltage 10 to 160VDC, 50 to 800W High Voltage DC/DC-Converters: 180 to 650VDC, 300 to 800W AC/DC 3,3-48Vout and 85-305Vin,15-800Wout, VPX: 3U 500W and 6U 1000W VITAR</p>	<p>Railway, Industrial, Rugged COTS</p>
	<p>Power Rider - Smart Electronic Circuit Breakers, Multi Channels Management, Real Time Reaction, Smart Energy Power Distribution Unit (EPD/PDU)</p>	<p>Aerospace, Robotics, Helicopters</p>
	<p>Single and Dual Output DC/DC Converters from 0.1 to 40W, Industry Standard Footprints SIP, DIP, SMT, 1x1 and 1x2 Thru Hole Patterns, Switch mode AC/DC Supplies; encapsulated PCB mount from 3 to 30W, AC/DC power supply 25 to 1200W Enclosed/Open frame type, 15 to 480W AC/DC DIN RAIL Power Supply 2-year warranty</p>	<p>Commercial, Industrial, Medical Industry, Railway</p>