

Superior Supercapacitor Technology

- Based on novel Aerogel carbon foam



Broad Standard Product Line

- Cylindrical and prismatic packages
- High power (low ESR) and high energy

Custom Product Capabilities

- Application specific designs
- Size and shape, capacitance, ESR, voltage, temperature

Applications

Pulse Power

- Low duty cycle pulse power
- Hybrid battery-supercapacitor systems
- Valve/solenoid actuation, HVAC controls
- Radio transceivers, GSM/GPRS devices
- Automated meters, portable printers

Bridge (or Hold-up) Power

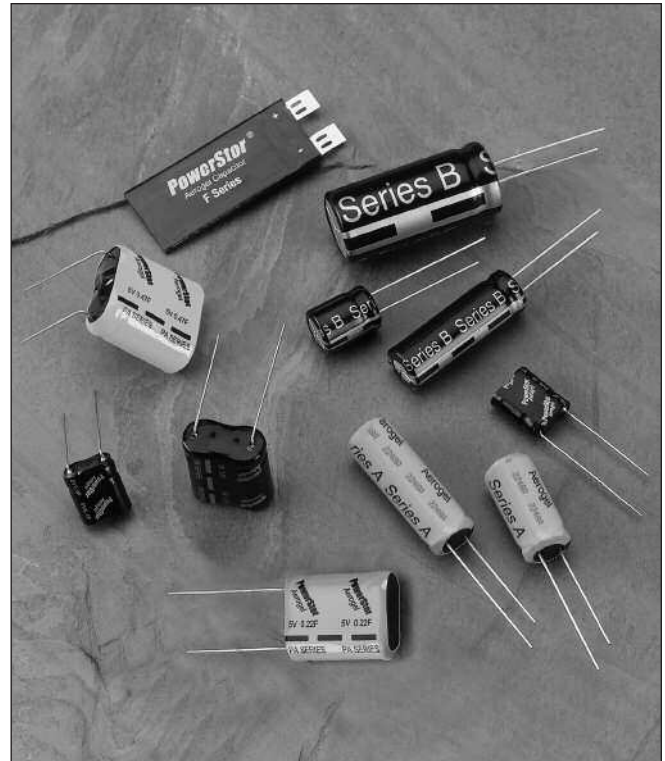
- Portable data terminals
- Tape drives
- Set top gaming devices
- Infusion pumps
- Automotive, avionics, military and medical

Main Power



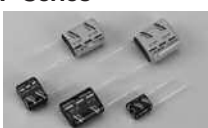


- Toys
- Solar charged devices (lighting, signaling, remote monitoring systems)
- Uninterruptible power systems

Memory Backup

- Microprocessor and micro-controller backup
- RAM / SRAM memory protection
- Real time clock (RTC) backup



Features	Benefits
Low ESR	High discharge power / rate capability
High capacitance	Long runtime / high energy density
Stable materials	Long life over wide temperature range
Static charge / discharge process; no chemical reactions	Nearly infinite cycle life
Series / parallel configurations	Higher voltage and energy than individual supercapacitors
Supercapacitor properties can be tailored	Custom for specific energy / power requirement
Custom packaging	Meet most mechanical requirements

Product Code	Key Features	Key Benefits	Capacitance	ESR	Voltage (Nominal)	Temperature
A Series 	Ultra-low ESR (Resistance)	Very High pulse power capability	0.47 to 4.7F	0.025 to 0.150 Ohms	2.5V	-25°C to 70°C
B Series 	High energy density	Long run-time capability	0.22 to 50F	0.025 to 3 Ohms	2.5V	-25°C to 70°C
P Series 	Higher Voltage	Designed for 5V applications	0.1 to 1F	As low as 0.2 Ohms	5V	-25°C to 70°C
KR Series 	High energy density & higher voltage	Long back-up time in 5V applications	0.1 to 1.5F	30 to 75 Ohms	5.5V	-25°C to 70°C
F Series 	Polymer-foil laminate packaging	Fits into space constrained applications as thin as 2mm	0.33F	0.250 Ohms	3.6V	-20°C to 60°C