



Keeping Industry Moving with Eaton



A power drop from milliseconds to 30 seconds can cause hours of downtime – and cost a manufacturing facility millions of dollars. To protect an industrial facility from common power quality problems and blackouts for even the shortest period of time, Eaton has developed the XLM supercapacitor. This is an ideal, reliable solution for applications in manufacturing and infrastructure projects, as well as for applications where traditional battery backed solutions cannot be used, are expensive or unreliable.

During a brownout, power spike or blackout – when the main electrical power is lost or unstable – the XLM module is able to react instantaneously. This immediate backup is critical to prevent equipment from stopping – and to protect irreplaceable data – allowing the system to ride through power quality problems and protect operations until a longer-term backup solution, such as a generator or fuel-cell startup, can be brought on line.

A short runtime backup power solution has traditionally meant high-maintenance batteries, or a less efficient mechanical flywheel. The Eaton XLM supercapacitor offers an energy storage solution that is highly reliable, economical and maintenance free. Due to a longer lifetime, lower infrastructure and operating costs, and greater scalability of the supercapacitor, manufacturers receive an excellent return on investment.

Eaton XLM supercapacitors are high-reliability, high-power, ultra-high capacitance energy storage devices. Utilizing electrochemical double layer capacitor (EDLC) construction combined with proprietary materials and processes allows Eaton to offer a wide variety of capacitor solutions tailored to applications for backup power. They feature low ESR for high power density with environmentally friendly materials, as well as being Reduction of Hazardous Substance Directive (RoHS) compliant. Eaton

XLM supercapacitors are maintenance-free with lifetimes up to 20 years and can operate in temperatures from -40°C to $+85^{\circ}\text{C}$.

Having the right power backup can save a manufacturing facility lost time, sellable product and millions of dollars. Eaton's XLM supercapacitors are the hidden power behind industry.

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com/electronics

© 2017 Eaton
All Rights Reserved
Printed in USA
Publication No. 10746 BU-MC17062
October 2017

www.eaton.com/supercapacitors