

## XLR Supercapacitor Module



# High reliability, long life and maintenance free supercapacitor modules for harsh environments



The XLR supercapacitor modules are compact and easy to install.

### Product description:

Eaton's XLR supercapacitor module provides energy storage for high power, high charge/discharge applications such as heavy equipment, marine and hybrid or electric powered public transportation.

The XLR module can reduce battery size and weight or replace batteries altogether depending upon the load profile.

This results in fuel savings, noise reduction and/or a more stable electrical system.

### Features and benefits:

- Industry leading power for higher efficiency energy usage.
- Maintenance free and requires no monitoring\* or user controls. Cell voltage balancing is built in.
- High reliability cell with long operating lifespan of up to 20 years or more than 1 million full charge/discharge cycles
- IP65 robust enclosure to withstand high vibration and conditions found in transportation applications

\*Overvoltage and cell temperature outputs are available.



The XLR supercapacitor module is a self-contained energy storage device comprised of 18 individual XL60 supercapacitor cells.

# EATON

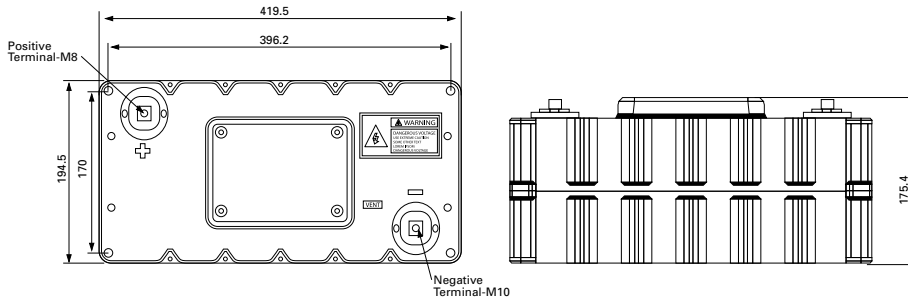
Powering Business Worldwide

## Specifications

Capacitance (F)	Part number	Maximum working voltage (V)	Maximum initial ESR (mΩ)	Maximum current (A)	Continuous current (A)	Stored energy (Wh)	Peak power (kW)
166	XLR-48R6167-R	48.6	5.0	2200	86	5405	118
188	XLR-51R3187-R	51.3	5.0	2485	86	68.7	132

## Dimensions

H (max)	L (max)	W (max)	Weight (kg)
177	421	196	14.7



### Operating temperature range:

- 40 °C to +65 °C, +85 °C with voltage derating

### Operating life:

- Up to 20 years

### Peak Power:

- 118kW (48.6 V module)
- 132kW (51.3 V module)

### Shock and vibration:

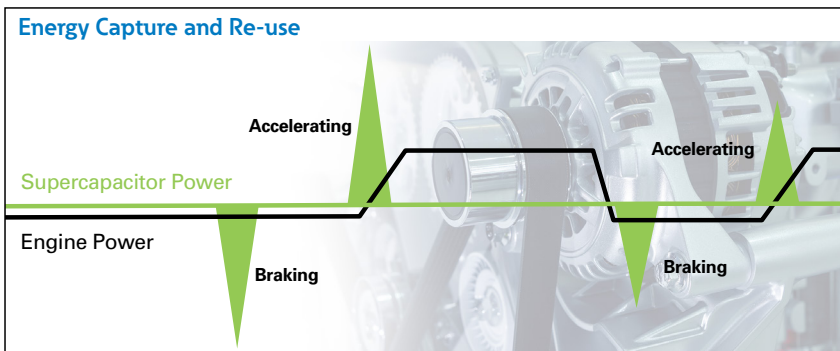
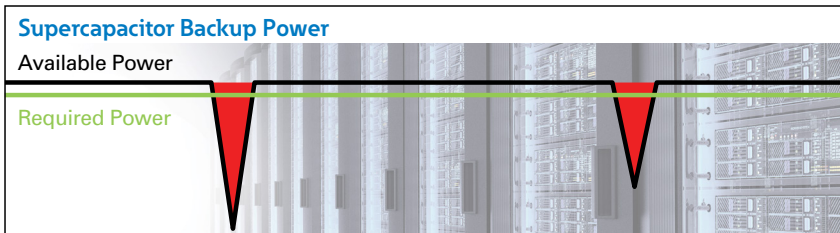
- IEC16750, SAE J2380

### Environmental:

- IP65, RoHS, Lead free
- UN-ECE Reg. 10 & Reg. 100

### Shipping/Transportation:

- Non-hazardous according to UN3499



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 Printed in USA  
 Publication No. 10511 BU-MC16033  
 August 2019

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