

XLR Supercapacitor Module



High reliability, long life and maintenance free supercapacitor energy module for harsh environments



The XLR supercapacitor module is 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
- Robust packaging to withstand power washer environments and high vibration installations.

*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.



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Specifications

Capacitance:

- 166 F

Maximum working voltage:

- 48.6 V

Operating temperature range:

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

Operating life:

- Up to 20 years

Initial maximum ESR:

- 5.0 mΩ

Maximum current:

- 2200 A peak
- 86 A continuous

Peak Power:

- 118kW

Total stored energy:

- 54.5 Wh

Shock and vibration:

- IEC16750, SAE J2380

Environmental:

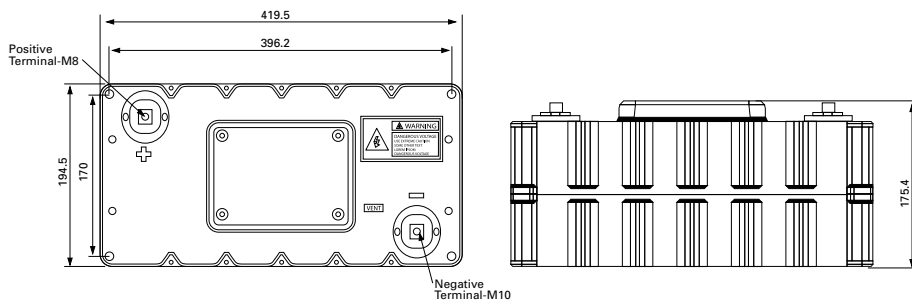
- IP65, RoHS, Lead free

Shipping/Transportation:

- Non- hazardous according to UN3499

Dimensions

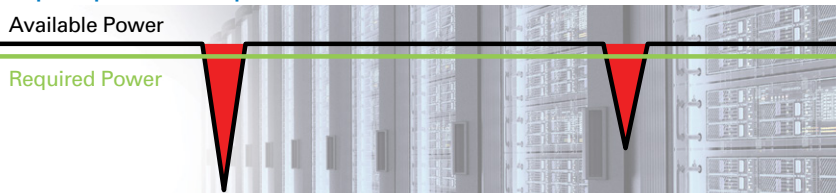
Part Number	H (max)	L (max)	W (max)	Weight (kg)
XLR-48R2167-R	177	421	196	14.7



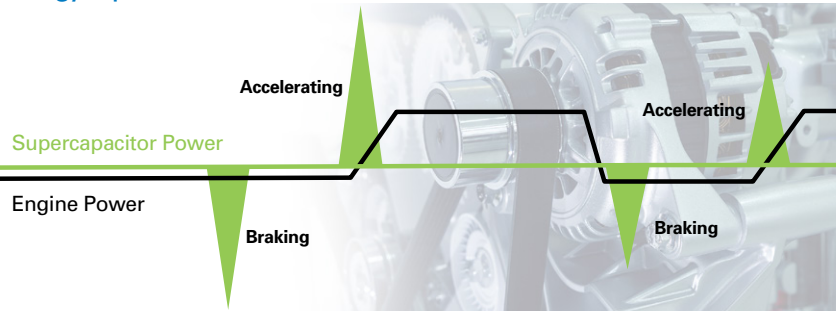
Supercapacitor Peak Power



Supercapacitor Backup Power



Energy Capture and Re-use



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