

# Specifications

## Eaton XLR-16R2507B-R

Capacitor Module, 16.2V, 500F, 1.7mohm, AB



### General specifications

<b>PRODUCT NAME</b>	Eaton XLR-LV supercapacitor module
<b>CATALOG NUMBER</b>	XLR-16R2507B-R
<b>UPC</b>	051712019927
<b>PRODUCT LENGTH/DEPTH</b>	416.2 mm
<b>PRODUCT HEIGHT</b>	176 mm
<b>PRODUCT WIDTH</b>	68 mm
<b>PRODUCT WEIGHT</b>	5.7 kg
<b>COMPLIANCES</b>	RoHS Compliant

## Product specifications

<b>SPECIAL FEATURES</b>	Temperature sensor, OV signal
<b>TYPE</b>	Ruggedized
<b>PACKING</b>	Single unit
<b>SIZE</b>	417 x 68 x 177 mm
<b>TERMINALS</b>	Female, M8/M10
<b>SHAPE</b>	Rectangular
<b>DC EQUIVALENT SERIES RESISTANCE (ESR)</b>	1.7 mΩ
<b>OPERATING TEMPERATURE RANGE</b>	-40 °C to +65 °C
<b>SERIES</b>	XLR-LV
<b>MAX VOLTAGE</b>	16.2 V
<b>CAPACITANCE</b>	500 F
<b>LEAKAGE</b>	5.2 mA
<b>THERMAL RESISTANCE</b>	0.6 °C/W
<b>ENERGY</b>	65520 J
<b>POWER</b>	38.6 kW
<b>PEAK CURRENT (1 SEC)</b>	2189 A
<b>CONTINUOUS CURRENT (15 °C RISE)</b>	121 A
<b>CAPACITANCE END OF LIFE RATING</b>	80%
<b>ESR END OF LIFE RATING</b>	200%
<b>GRADE</b>	Industrial

## Resources

<b>APPLICATION NOTES</b>	<a href="#">Supercapacitors for marine applications</a>
<b>BROCHURES</b>	<a href="#">Supercapacitors deliver reliable power for generator starting</a> <a href="#">Ruggedized, dependable, high power density, long-life supercapacitor modules</a>
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">XLR-LV Instruction manual</a>
<b>SPECIFICATIONS AND DATASHEETS</b>	<a href="#">XLR-LV Supercapacitor module data sheet</a>
<b>WHITE PAPERS</b>	<a href="#">How supercapacitors address modern electrical supply challenges</a>

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**



**Eaton Corporation plc**  
Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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