

Specifications

Capacitance	130F
Maximum working voltage	62.1V
Maximum series connected voltage	1500V
Capacitance tolerance	-0% to +20%
Operating temperature range	-40°C to +65°C

Standard Product

Capacitance ¹ (F)	Part Number	Initial DC ESR Maximum ¹ (mΩ)	Standby current maximum ² (mA)	Continuous current 15 °C Rise ³ (A)	Maximum current ⁴ (A)	Peak Power maximum ⁵ (kW)	Stored energy ⁶ maximum (Wh)	Thermal Resistance, typical (Rth - °C/W)	Mass, typical (kg)
130	XLM-62R1137-R	8.0	13.3	N/A	2000	120	69.6	0.30	16

1. Measured according to IEC 62391 @ 62.1V
2. After 72 hour charge and hold, 25°C
3. $Continuous\ Current = \sqrt{\Delta T / (DC\ ESR \times Rth)}$
4. Maximum current, 1 second discharge – $\frac{1}{2} C V / (1 + DC\ ESR \times C)$
5. $Power = Vrated^2 / 4 / DC\ ESR$
6. $Energy = \frac{1}{2} C Vrated^2 / 3600$

Performance

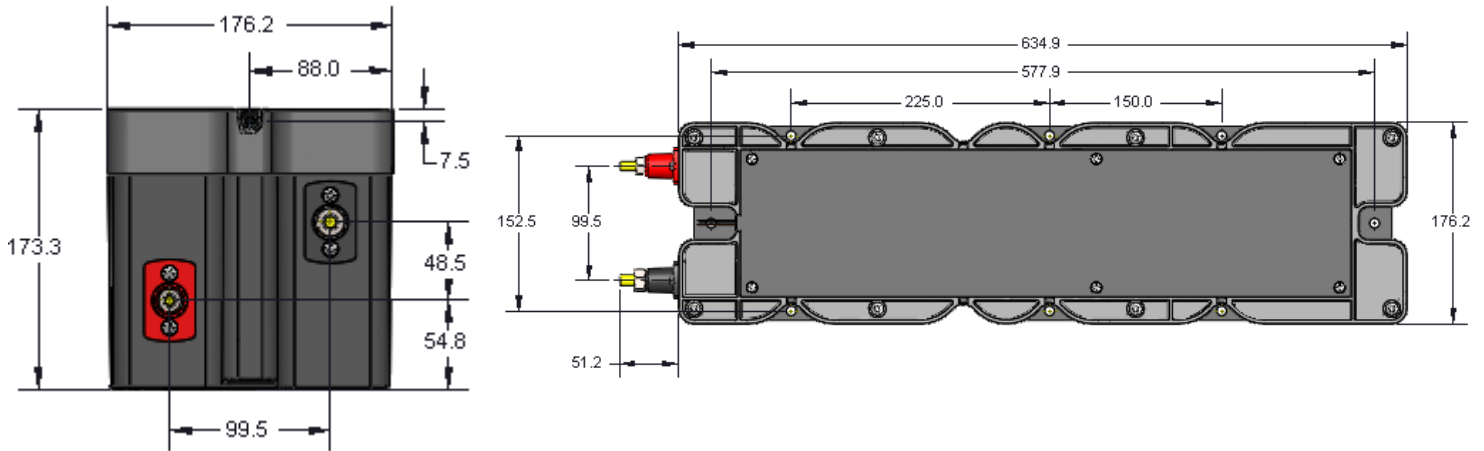
Parameter	Capacitance Change (% of initial value)	ESR (% of initial specified value)
Life - 1500 hours at rated voltage, maximum temperature	≤20%	≤200%
Charge/discharge cycling - 1,000,000 cycles	≤20%	≤200%

1. Cycling between 62V and 31V, 100A, 3s rest

Standards and Certifications

Agency information	UL810A
Shock and vibrations	Telcordia GR-63 Zone 4
Environmental	IP30, RoHS, lead free, halogen free
Altitude, Operating	10,000 ft / 3,000 meters
Altitude, Non- operating	40,000 ft / 12,000 meters

Dimensions- mm



Positive Terminal: 5/16"-18 threaded stud
Negative Terminal: 3/8"-16 threaded stud

Part numbering system

XLM	- □ R □	□ □	□	-R
Family code	Voltage (V) R= decimal	Capacitance (μF) Value	Multiplier	
	62R1= 62.1V	Example 137= 13 x 10 ⁷ μF or 130F		RoHS compliant

Packaging information

- Standard packaging 1 piece per box

Part marking

- Manufacturer
- Capacitance (F)
- Max operating voltage (V)
- Family code or part number
- Polarity

Life Support Policy: Bussmann does not authorize the use of any of its products for use in life support devices or systems without the express written approval of an officer of the Company. Life support systems are devices which support or sustain life, and whose failure to perform, when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user.



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