



Ohm's Law

The rate of the flow of the current is equal to electromotive force divided by resistance. The basic Ohm's law formulas are:

$$I = E/R \quad R = E/I \quad E = I \times R \quad E = \text{Electromotive force and}$$

is measured in Volts. Voltage is the difference in electrical potential between two points in a circuit. It's the push or pressure behind current flow through a circuit.

R=Resistance which is measured in Ohms determines how much current will flow through a component. Resistors are used to control voltage and current levels. A very high resistance allows a small amount of current to flow. A very low resistance allows a large amount of current to flow.

I=Intensity of Current which is measured in Amperes or Amps is what flows on a wire or conductor like water flowing down a river. Current flows from points of high voltage to points of low voltage on the surface of a conductor.

P=Power and is measured in Watts. Power is the amount of current times the voltage level at a given point.

To use the pie chart: Find the value that you need to calculate in the center of the chart, then choose a formula from that quadrant that uses the values you know.

100 Amp Feed Thru "ELS Lunch Box"

Small, compact and lightweight, the ELS Lunch Box is equipped with a 100 Amp SPG/Bates input and a 100 Amp throughput. It also includes five 20 Amp hospital grade duplex receptacles with circuitbreaker/switch and a pilot light. Featuring anodized aluminum construction, the Lunch Box hinges open for easy access to the inside components. Please specify a hinged handle or a mounted stationary yoke that is ready for hanging by c-clamp.

ELS Lunch Box

600-200

600 Amp Feed Thru Distro Panel

Constructed with the same high quality materials as the 1200 Amp Feed Thru, this unit has six 100 Amp/120 Volt SPG outputs and two 20 Amp duplex receptacles.

Price includes a one-year warranty.

600 Amp Feed Thru

600-640

1200 Amp Feed Thru Distro Panel

Heavy-duty aluminum construction makes up this rugged, high-grade distro panel. The unit has a very compact design and a small footprint. It consists of six 100 Amp/120 Volt SPG/Bates outputs, three 100 Amp/220 Volt SPG/Bates outputs, and two 20 Amp duplex receptacles, all with circuit breakers and pilot lights. Price includes a one-year warranty.

1200 Amp Feed Thru

600-220