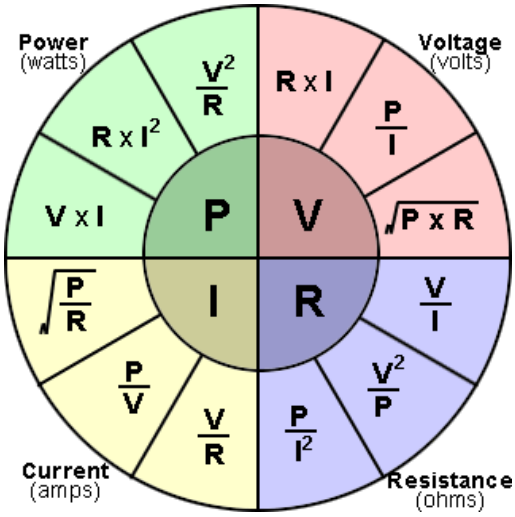
Ohm's Law Formula Wheel

Below is a formula wheel for Ohm's Law relationships between P, I, V, and R. This is essentially what the API does, and is just a representation of the algebraic manipulation of the equations above. To use the wheel, choose the variable to solve for in the middle of the wheel, then use the relationship for the two known variables within the cross section of the circle.



operation_type:
P = Power
V = Voltage
R = Resistance
I = Amps

unknown 1 and 2
P = Power
V = Voltage
R = Resistance
I = Amps

value_unknown 1 and 2
int or float

Examples Request:
Route: /ohm
json:
{
operation_type: “V”,
unknown_1: “R”,
unknown_2: “I”,
value_unknown_1: 2.0,
value_unknown_2: 3.0,
}

Response:
{“result”: 6.0, “constant”: “V”}