current in an element is

	•
	in the direction of the
	reference voltage drop across
	the element use a positive sign
	in any expression that relates
i -> current	the vollage to the current.
	Otherwise use regative.
g → charge	
+ V 2	
2	
Positive	Negative
IV from terminal 1 to terminal 2	1 V from 2 to 1
PV from terning (2 to terninal)	TV from 1 to 2
	-
+ i flowing from 1 to 2	-i Hours from 1 to2
+ i flowing from 1 to 2 - i flowing from 2 to 1	- i flowing from 1 to 2 ti flowing from 2 to)
1 (0W)/Y	
1.6 Power of Energy	
D= dw P= Pose	W= 17/5

 $p = \frac{dw}{dt}$  p = posec |W = 1t = time.

$$P = \frac{dw}{dt} = \left(\frac{dw}{dg}\right) \left(\frac{dg}{dt}\right)$$

$$P = Vi$$

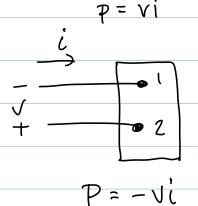
$$+ \frac{2}{\sqrt{2}}$$

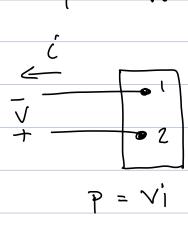
$$P = Vi$$

$$i$$

$$i$$

$$i$$





If P>0 power is being delivered.

If P<0 power is being extracted.