

## Plasma Arc Cutting #3 (Electrical Supply Source)

- **Alternating current (AC)** must be converted to **direct current (DC)**, which provides a more stable flow of electricity (stability is critical to the plasma cutting process)
- Plasma cutters almost always use a **constant current (CC)** power supply since it provides a more stable arc
- Some plasma cutters can simply be plugged into a standard 120v but others will require higher voltage
  - some newer plasma cutters use **inverters** that allow for higher power levels in smaller machines by increasing the **frequency** of the electrical power supply



