

AC vs DC (Alternating Current vs Direct Current) (vsdiff.com)

AC (Alternating Current)	Feature	DC (Direct Current)
Current reverses direction periodically.	Definition	Current flows steadily in one direction.
Used for transmitting electricity over long distances.	Application	Common in batteries, electronics, and solar devices.
Voltage alternates over time.	Voltage	Voltage remains constant.
Easier to transform using transformers.	Transformability	Transforming voltage requires electronic converters.
Typically used for powering homes and industries.	Usage	Ideal for portable devices and electronics.
Energy can be transmitted over long distances efficiently.	Transmission	Limited to shorter distances without conversion.
AC generators are used in power stations.	Source	Batteries and DC generators provide DC.

Source: <https://vsdiff.com/ac-vs-dc/>