

Distinguish, differentiate, compare and explain what is the main difference between Voltage and Power Amplifier.

## **Difference between Voltage and Power amplifier**

S.No.	Voltage Amplifier	Power Amplifier
1	Transistor chosen should have a high value of beta about 100.	Transistor should have a small value of beta about 20 to 50.
2	The load resistance $R_c$ has a high value about a 10K ohm.	The load has a small value of 100 to 200 ohm.
3	An input voltage is low approx a few mV.	An input voltage is high about a few volts.
4	Has a low power output and high voltage output.	Has a high power output and a low voltage output.
5	Collector current has low-value 100mA.	Collector current has a high value in power amplifier.
6	Output impedance has a high value.	Output impedance has low value.
7	Usually, R-C coupling is used.	Transformer or tuned circuit is always used.