

Distinguish, differentiate, compare and explain what is the difference between Series and Shunt Voltage Regulator. Comparison and Differences.

Difference between Series and Shunt Voltage Regulator

| S.No. | Series Voltage Regulator | Shunt Voltage Regulator |
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| 1 | The regulator is connected in series with the load. | The regulator is connected in parallel with the load. |
| 2 | At high load currents, it does not give good voltage regulation. | It gives good voltage regulation at high load currents. |
| 3 | The output DC voltages are not constant. | The output voltage is constant. |
| 4 | Has good efficiency for higher load currents. | Comparatively has less efficiency. |
| 5 | The regulator is appropriate for heavy loads. | Appropriate for light loads. |