Report: In the switches connection SPST, when two light is series 60w and 100w. The power consumtion is more in 60w due to series connection

$$P_{100} = \frac{V^2}{R_1} = \frac{(220)^2}{100} \quad \text{when, voltage is 220V}$$

$$= 484\ W$$

$$P_{60} = \frac{V^2}{R_2} = \frac{(220)^2}{60}$$

$$= 806.66\ W \quad (P_{60} > P_{100})$$

But when the lights are in parallel the higher resistor consume much power due to voltage zero.

In SPDT (single pole Double Throw) one light on while one is off in the circuit.

The most used type of switch for domestic purposes is SPST. Since, it is the basic on/off switch.