

Types of Power

- i) Real Power (or) True Power (P)
- ii) Reactive power (Q)
- iii) Apparent Power (S)

Real Power: (P)

Real power is defined as the product of applied voltage and the ~~reactive~~ active component of current.

$$P = VI \cos \phi \text{ Watts.}$$

Reactive Power: (Q)

Reactive power is defined as the product of the applied voltage and the reactive component of current.

$$Q = VI \sin \phi \text{ VAR}$$

Apparent Power: (S)

Apparent power is defined as the rms value of voltage and current.

$$S = VI \text{ VA}$$

7.