



$$P = \frac{\sqrt{14}}{2} \cos(q_V - q_{\mp}) = \sqrt{16} \cos(q_V - q_{\pm}) = \frac{1}{2} \operatorname{Re} \left\{ \sqrt{16} \right\} = \operatorname{Re} \left\{ \sqrt{16} \right\} =$$

TENNESSEE 1

Apparent Power & Power Factor

Appearent Power 151 = VAIA = Vomstrons

-> Maximum value of real power that can be obtained from VA * IA

Power Factor
$$PF = \frac{P}{|S|}$$

$$= \frac{P}{V_{rms}F_{rms}} = \frac{V_{rms}F_{rms}}{\frac{Z}{2}} \cos(q_{v} - q_{F})$$

$$= \frac{P}{V_{rms}F_{rms}} = \frac{V_{rms}F_{rms}}{\frac{Z}{2}} = \cos(q_{v} - q_{F})$$

the areut 2) Regulated for connection to the grid for any loads above 65W