

Quiz 6 Solution

ECE 333

11/11/21

1.1 False, temperature decrease shifts the curve right

1.2 True, it may also do MPP T

1.3 False, X does not represent cell temperature

$$2.1 \quad 2 \times 0.7 \times 365 \times 6 \approx 3066 \text{ kWh/yr}$$

$$2.2 \quad \text{Required area} = \frac{2}{0.15} \approx 13.3 \text{ m}^2$$

$$\text{Required area} \times \frac{1}{0.85} = \frac{13.3}{0.85} \approx 15.7$$

$$\# \text{ of modules} = 16 = \text{ceil}(15.7)$$