Using the PV Cell equivalent circuit model

- Find the maximum power point voltage, maximum power point current, and maximum output power of a 156 x 156 mm cell with equivalent circuit parameters in the chart below
 - when the sun has irradiance of the standard test conditions (1000 W/m²)

•
$$V_{max} = I_{max} = P_{max} =$$

for early in the morning when the irradiance is only 500 W/m²

•
$$V_{max} = I_{max} = P_{max} =$$

• Find the maximum power point voltage, maximum power point current, and maximum output power at standard test conditions ($1000W/m^2$) for cell made of the same material but of smaller area = 100×100 mm.

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$$V_{max} = I_{max} = P_{max} =$$