



ALTERNATIVE ENERGY QUIZ

Find the optimum number of series-parallel PV module configuration between Fronius IG40 Inverter and BP380 PV modules (Refer to datasheet below). Assume the maximum and minimum cell effective temperatures recorded at the site are 65°C and 20°C , respectively. The maximum solar irradiance is 900 W/m^2 . (Assume the safety factor is equal to 1).

Datasheet : [BP 380 PV Module Datasheet](#)

[Fronius Inverter](#)

[10 Marks]