

SIMULINK model for Generated PV Current, I_g

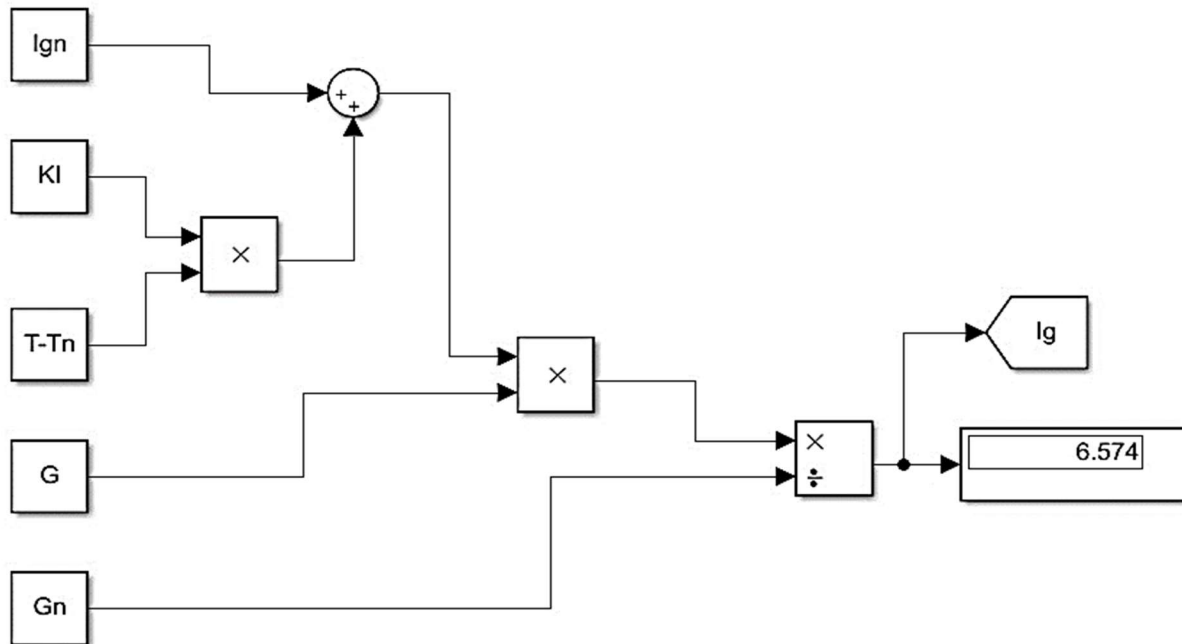


Fig 1. Generated PV current model

SIMULINK model for Temperature Equivalent Voltage, V_t

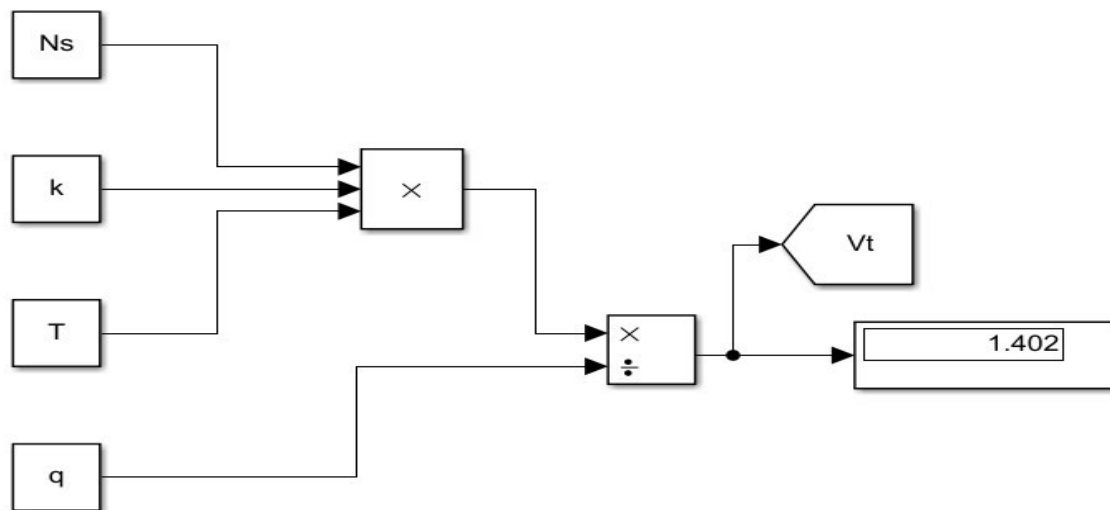


Fig 2. Temperature Equivalent Voltage model

SIMULINK Model for Reverse Saturation Current of the diode, I_o

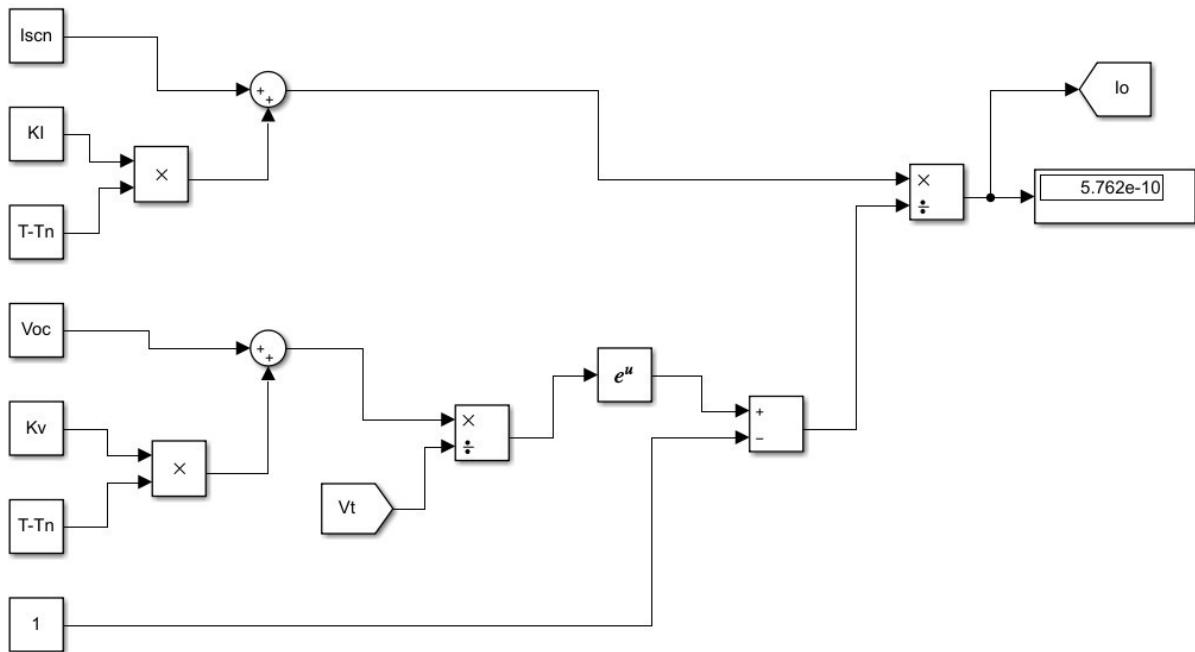


Fig 3. Reverse Saturation Current of the Diode model

SIMULINK Model for I_m

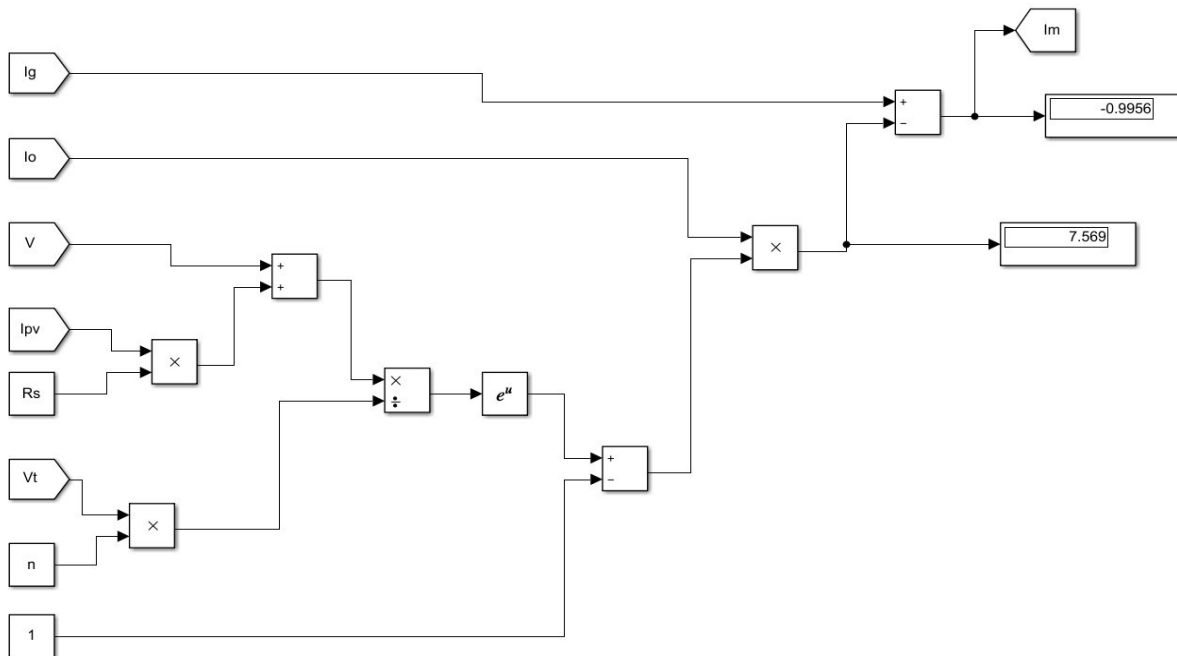


Fig 4. Current at Maximum Power Point

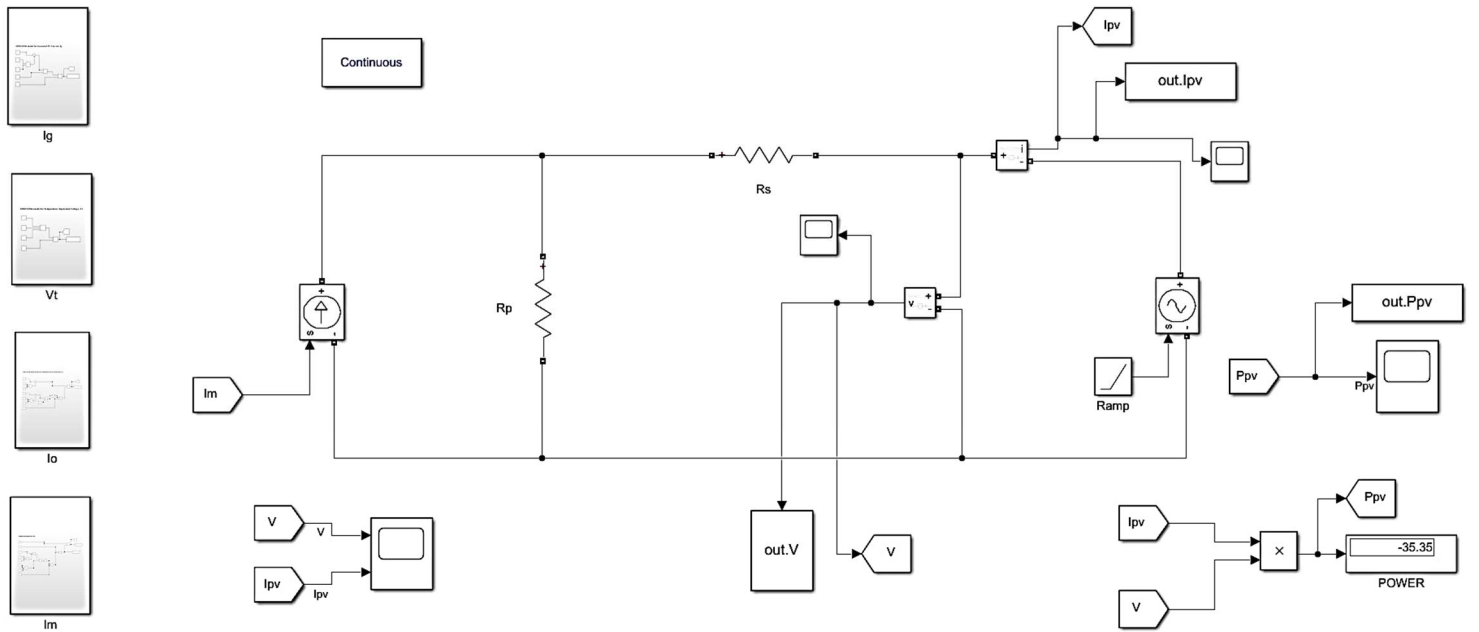


Fig 5. Final SIMULINK Model for the PV cell

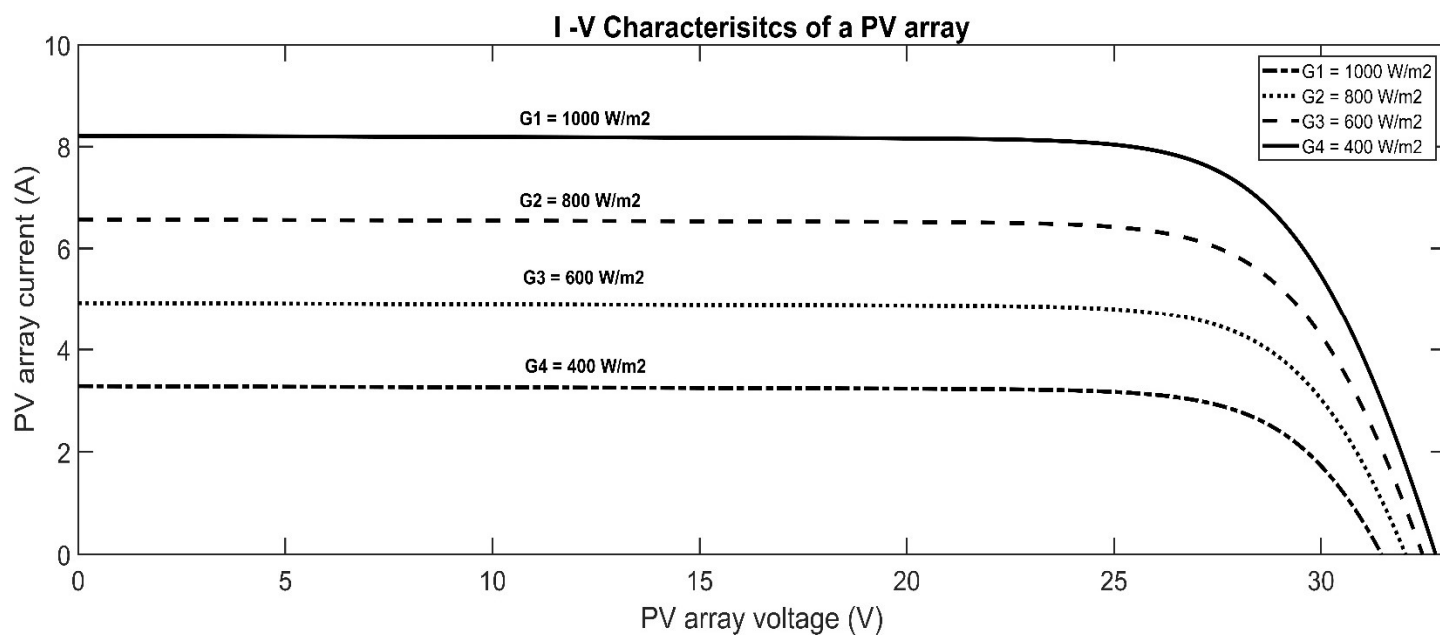


Fig 6. I-V characteristic curve of a PV array

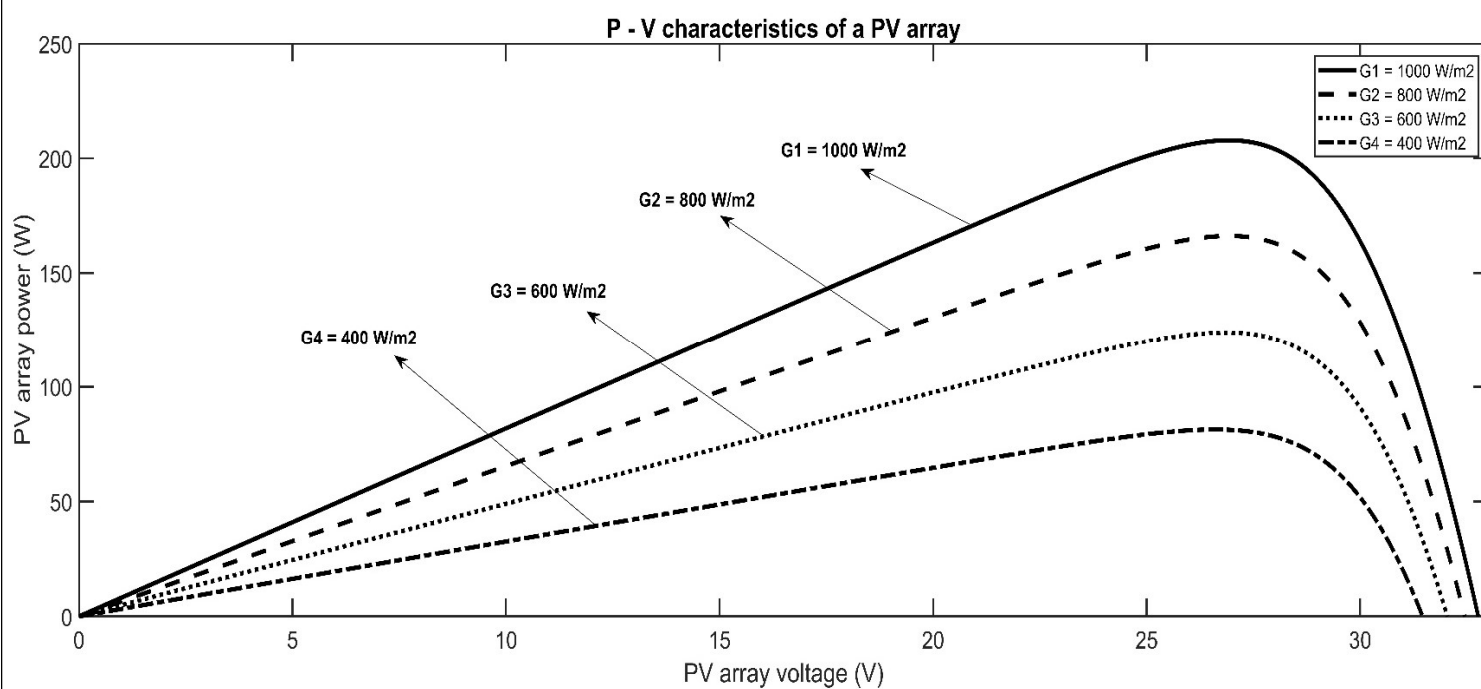


Fig 7. PV characteristics of a PV array