

Readings

September 3, 2024

Temp (°C)	Voc (mV)	Isc (mA)	Vm (mV)	Im (mA)	FF
35	427	-9.08	280	-5.3	0.300
45	395	-8.96	204.9	-5.04	0.241
55	370.2	-8.6	192.2	-4.77	0.285
65	345.16	-8.18	179.47	-4.39	0.279
75	320.1	-7.71	163.9	-4.14	0.275

Observations:

- * As temperature increases, the I-V characteristics shift upwards. * Voc decreases, Isc decreases in magnitude, so do Vm and Im at higher temperatures.
- * The efficiency of the solar cell decreases at higher temperatures, which is evident from the falling fill factor.