

Device Modeling Report

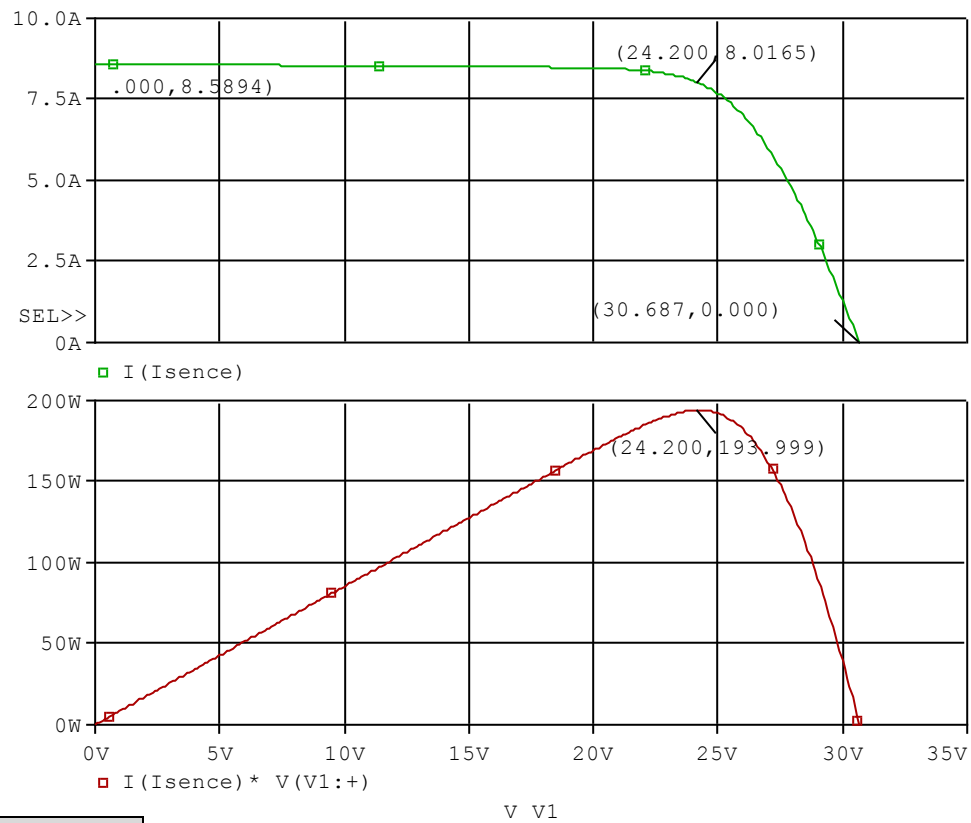
COMPONENTS: Solar Cell
PART NUMBER: SX 3195
MANUFACTURER: bp Solar
REMARK: Rated power (P_{max}) 195W



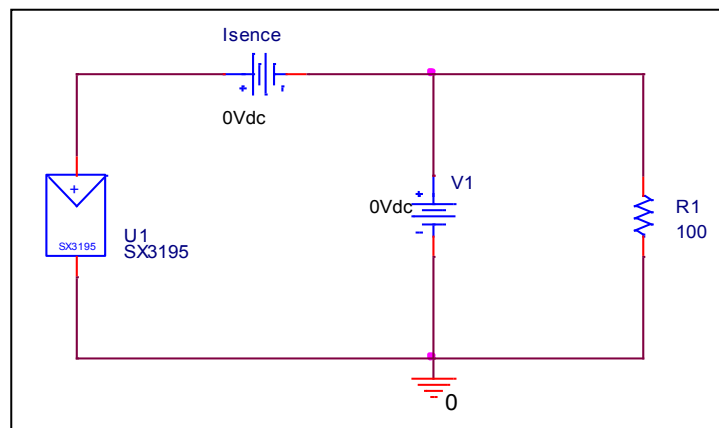
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



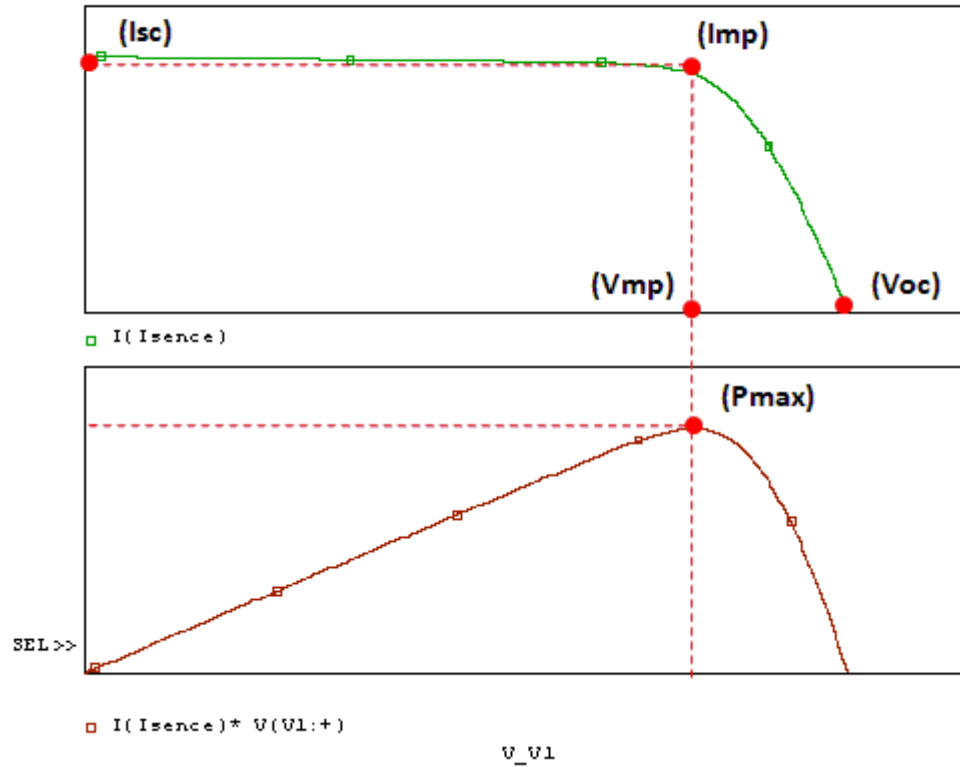
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	8.6000	8.5894	-0.123
Voc	30.7000	30.6870	-0.042
Imp	7.9600	8.0165	0.710
Vmp	24.4000	24.2000	-0.820
Pmax(Imp*Vmp)	194.224	193.999	-0.116

Data Information

No. SX 3195	
Maximum power (Pmax)3	195W
Voltage at Pmax (Vmp)	24.4
Current at Pmax (Imp)	7.96A
Short-circuit current (Isc)	8.6A
Open-circuit voltage (Voc)	30.7V