

Device Modeling Report

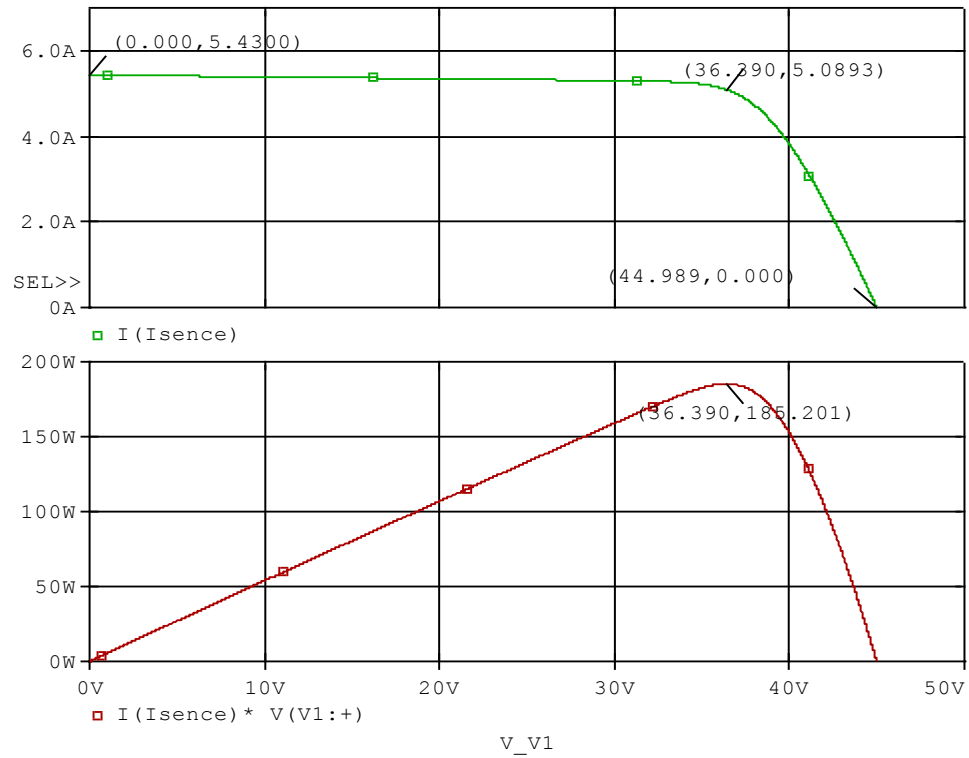
COMPONENTS: Solar Cell
PART NUMBER: STP185S-24/Ad
MUNUFACTURER: Suntech Power
REMARK: Pmax=185(W)



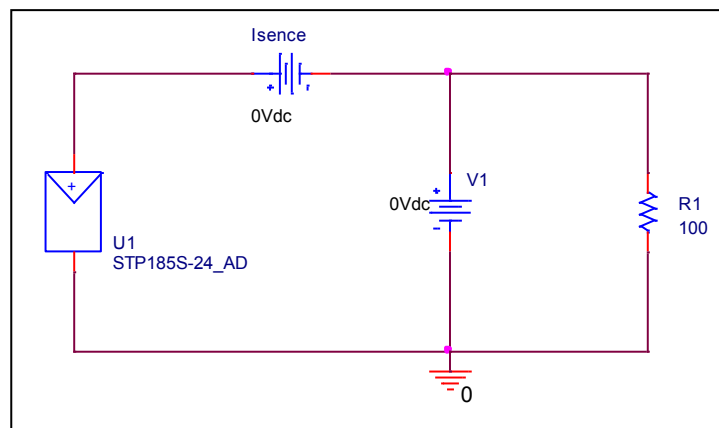
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



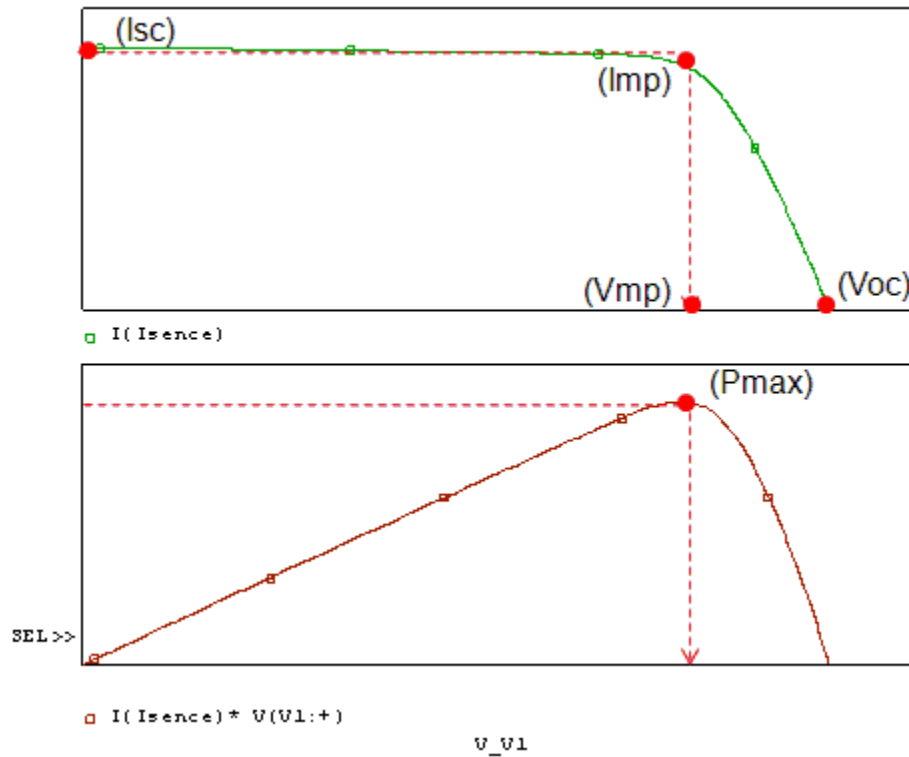
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	185.0000	185.2010	0.109
Vmp	36.4000	36.3900	-0.027
Imp	5.0900	5.0893	-0.014
Voc	45.0000	44.9890	-0.024
Isc	5.4300	5.4300	0.000

Data Information

No.STP185S-24/Ad	
Maximum output (Pmax)	185.0000
Maximum power voltage (Vmp)	36.4000
Maximum power current (Imp)	5.0900
Open circuit voltage (Voc)	45.0000
Short circuit current (Isc)	5.4300