

Device Modeling Report

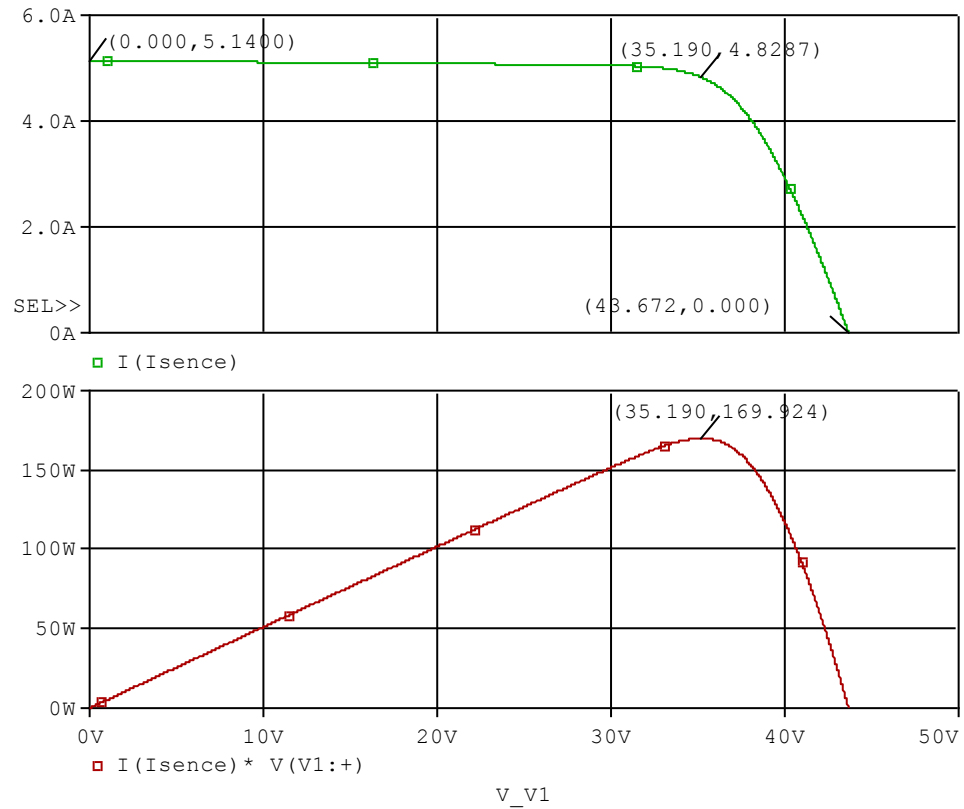
COMPONENTS: Solar Cell
PART NUMBER: STP170S-24_Ab-1
MUNUFACTURER: Suntech Power
REMARK: Pmax=170(W)



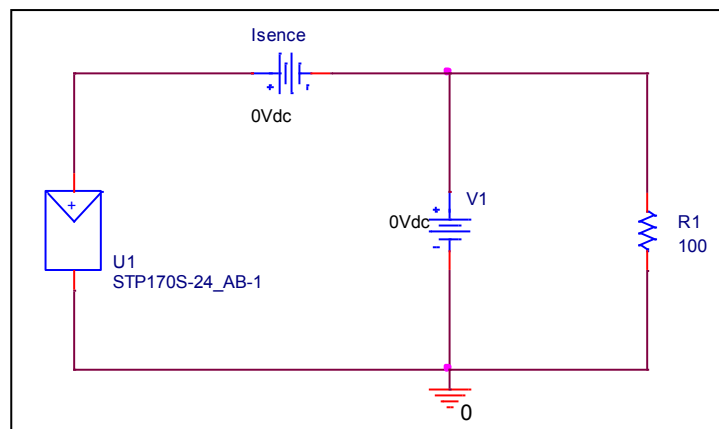
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



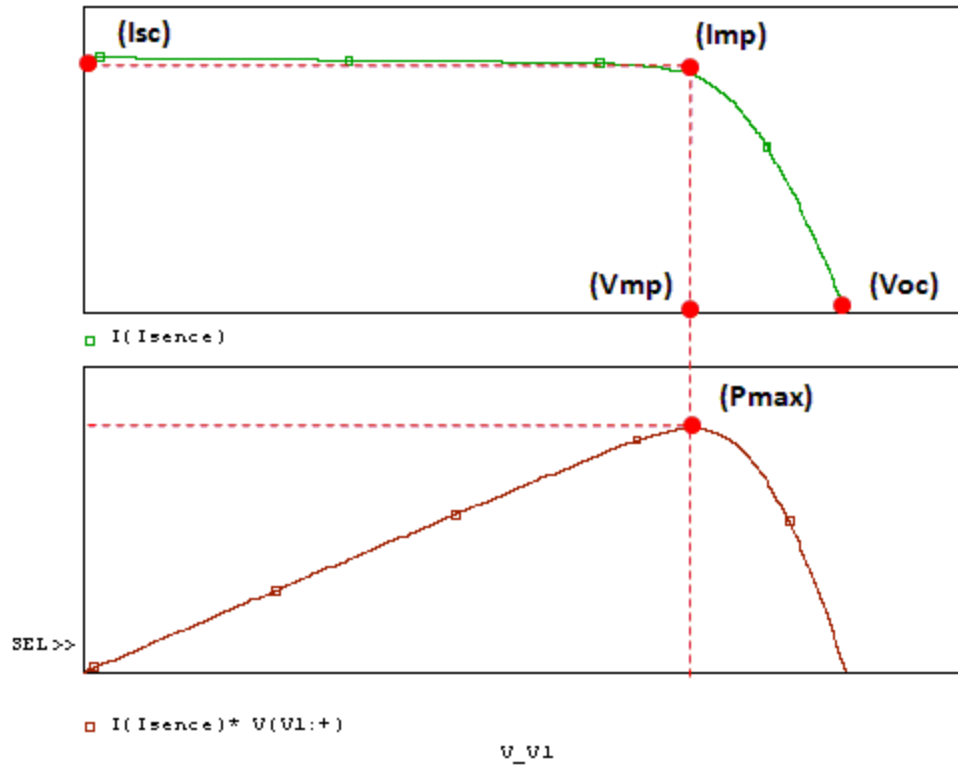
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	170.000	169.924	-0.045
Vmp	35.200	35.190	-0.028
Imp	4.830	4.829	-0.027
Voc	43.800	43.672	-0.292
Isc	5.140	5.140	0.000

Data Information

No. STP170S-24_Ab-1	
Maximum output (Pmax)	170.000
Maximum power voltage (Vmp)	35.200
Maximum power current (Imp)	4.830
Open circuit voltage (Voc)	43.800
Short circuit current (Isc)	5.140