

NEW 4 CELL MODULE TEST RESULTS

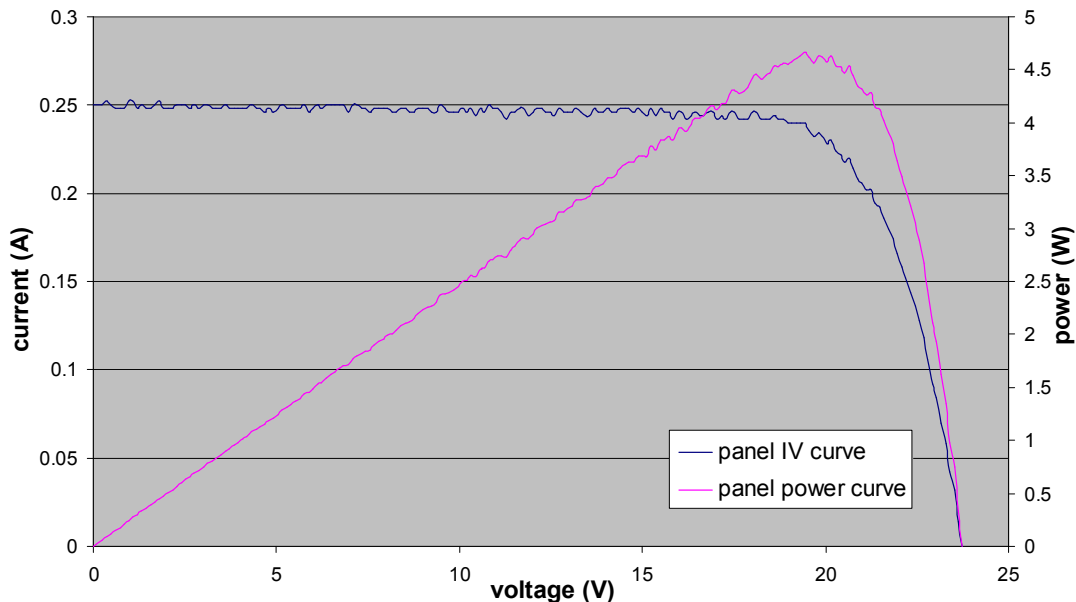
30/05/10

Panel Type: Engelec
No. of cells: 40 (10 x 4 cell modules)

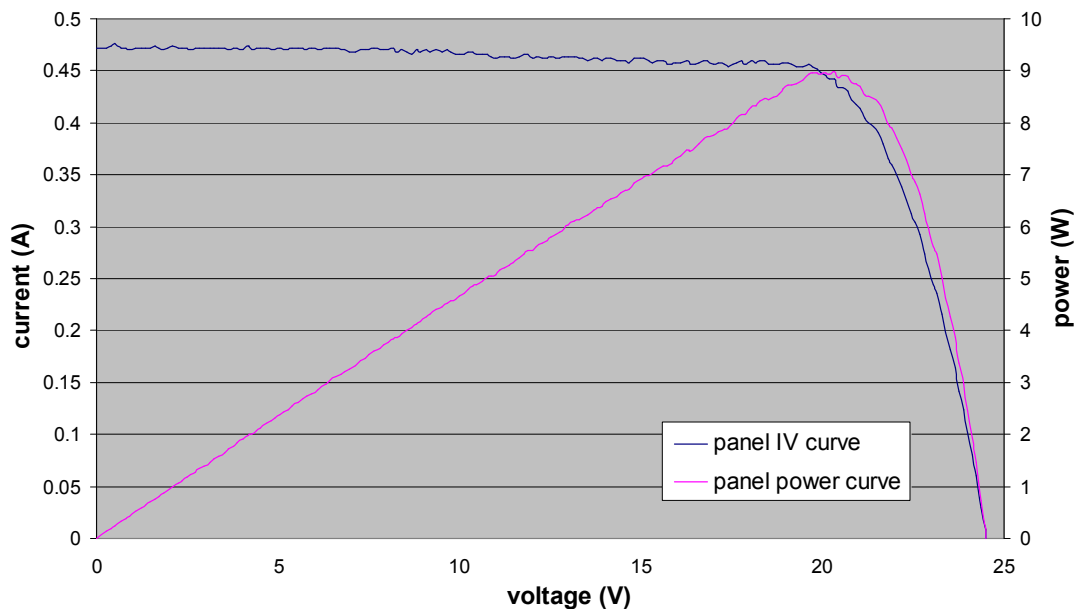
Serial Number: None
Cell Type: Polycrystalline

TEST RESULTS: On DC Light Box, AM 1.5, based on data collected using Nanometer.

Test 1	VMP 19.44	VOC 23.72
50% Sun	IMP 0.24	ISC 0.26
TEMP Deg C 25	Pmx 4.66 Watts	FF 0.755

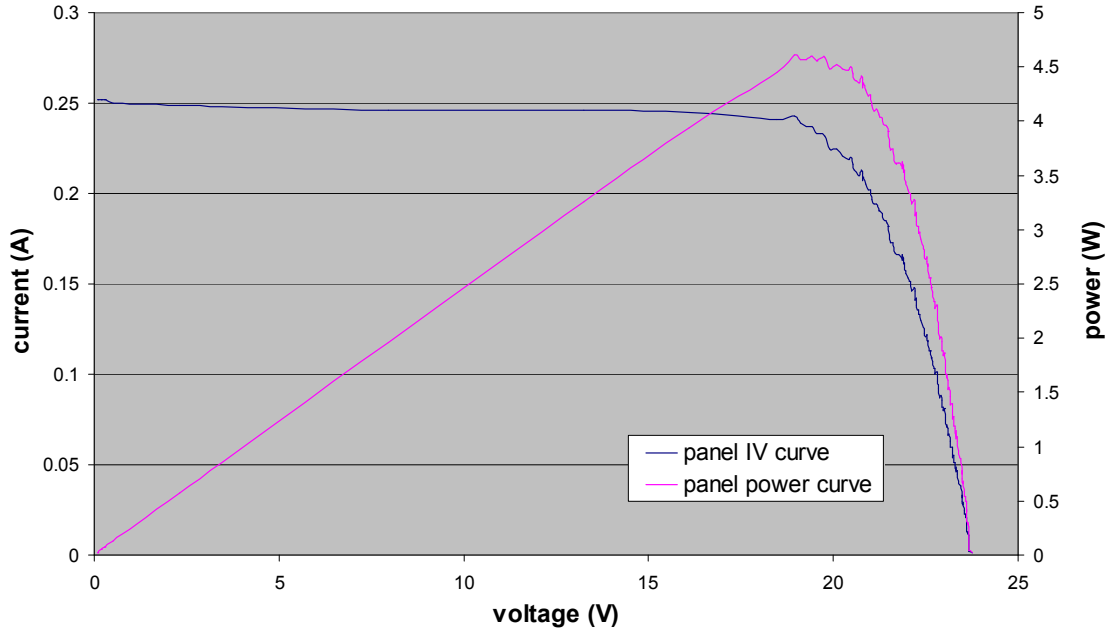


Test 2	VMP 20.32	VOC 24.48
100% Sun	IMP 0.442	ISC 0.472
TEMP Deg C 25	Pmx 8.98	FF 0.777

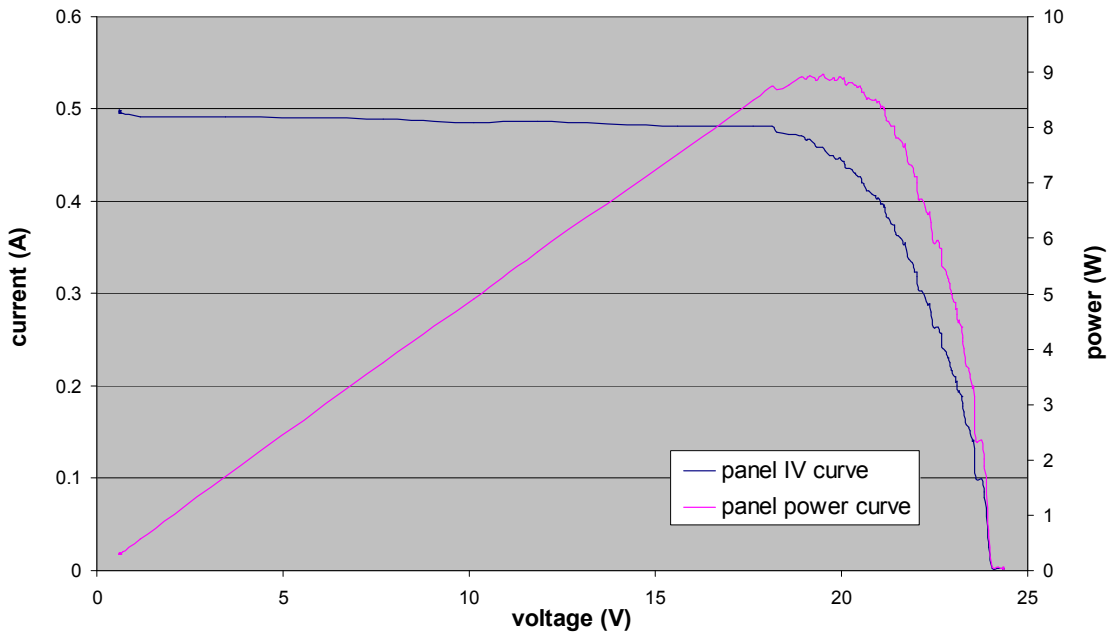


TEST RESULTS: On DC Light Box results from Rishabh meters using Woithe power meter as load.

Test 3	VMP 19.55	VOC 23.91
50% Sun	IMP 0.233	ISC 0.257
Woithe/Rishabh	Pmx 4.55	FF 0.741
TEMP Deg C 21 to 27		

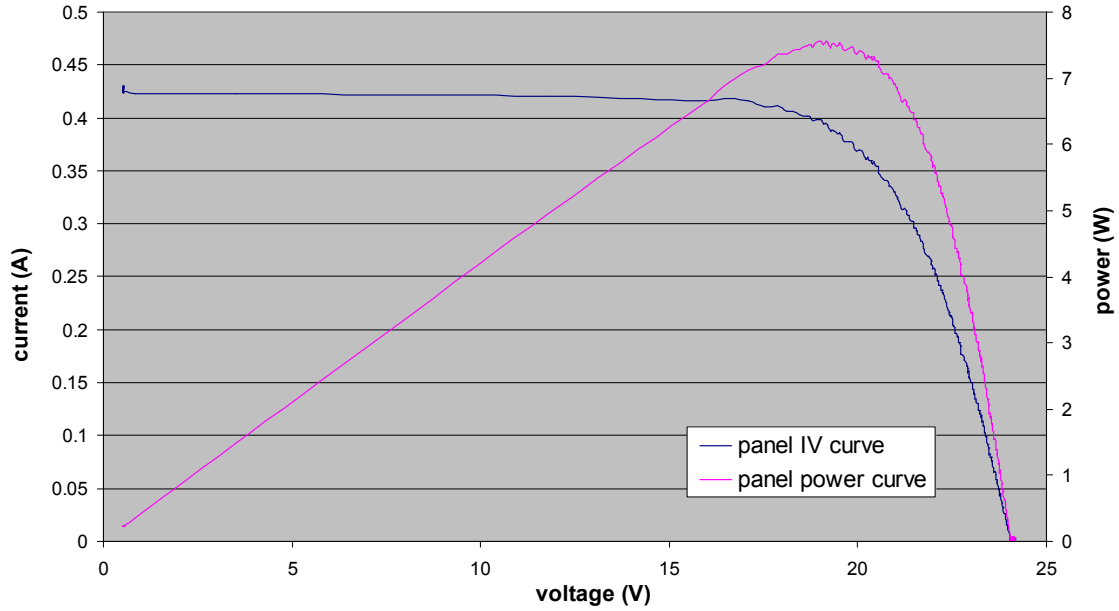


Test 4	VMP 19.57	VOC 24.39
100% Sun	IMP 0.455	ISC 0.499
Woithe/Rishabh	Pmx 8.90	FF 0.731
TEMP Deg C 25 to 28		



TEST RESULTS: In Sun test at random Sun level. Results from Rishabh meters using Woithe power meter as load.

Test 5	VMP	19.20	VOC	24.18
??? Sun In-Sun test	IMP	0.393	ISC	0.431
Woithe/Rishabh	Pmx	7.54	FF	0.723
TEMP Deg C	25 to 29			



Note: Data from the Rishabh meters is slightly variable due to higher panel temperature because of the slow data gathering and the difficulty of picking the maximum power point.