

Tilt v/s Azimuth Relationship											
Typical Example - Industrial Park, Bago Region, Yangon, Myanmar (16.81deg N, 96.13deg E)											
Tilt (Deg)	Azimuth (Degree)										
	0	5	10	15	20	25	30	90	180	-90	
5	1329	1329	1329	1328	1327	1326	1325	1299	1269	1299	kwh/kWp/yr
% change		0.00%	0.00%	0.08%	0.15%	0.23%	0.30%	2.26%	4.51%	2.26%	
10	1351	1351	1350	1349	1347	1345	1343	1292	1231	1292	kwh/kWp/yr
% change		0.00%	0.07%	0.15%	0.30%	0.44%	0.59%	4.37%	8.88%	4.37%	
15	1369	1364	1363	1362	1360	1357	1354	1281	1186	1280	kwh/kWp/yr
% change		0.37%	0.44%	0.51%	0.66%	0.88%	1.10%	6.43%	13.37%	6.50%	
22	1371	1371	1370	1368	1365	1361	1356	1256	1112	1255	kwh/kWp/yr
% change		0.00%	0.07%	0.22%	0.44%	0.73%	1.09%	8.39%	18.89%	8.46%	
%change 15 vs 22		0.15%	0.51%	0.51%	0.44%	0.37%	0.29%	0.15%	-1.95%	-6.24%	-1.95%

Conclusion:

- At 5deg tilt, Till 30deg of Azimuth, the Specific Production delta is not significant
BUT at 90deg of Azimuth there is reduction in the Specific Production of 2.26% which further reduced to 4.51% at 180deg of Azimuth.
- At 10deg tilt, Till 30deg of Azimuth, the Specific Production delta is not significant (<1%)
BUT at 90deg of Azimuth there is reduction in the Specific Production of 4.37% which further reduced to 8.88% at 180deg of Azimuth.
- At 15deg tilt, Till 30deg of Azimuth, the Specific Production delta is not significant (~1%)
BUT at 90deg of Azimuth there is reduction in the Specific Production of 6.43% which further reduced to 13.37% at 180deg of Azimuth.
- At 22deg tilt, Till 30deg of Azimuth, the Specific Production delta is not significant (~1%)
BUT at 90deg of Azimuth there is reduction in the Specific Production of 8.39% which further reduced to 18.89% at 180deg of Azimuth.
- There is not much of gain in Specific Production with a increase of tilt further from 15deg which is ~Latitude.